

# A Guide to Diseases and Pests For Trees and Plants



## A Selected List of Trees & Ornamental Plants

### I. Trees

*Adenanthera pavonina*  
*Araucaria* spp.  
*Bauhinia purpurea*  
*Bucida* spp.  
*Cassia* spp.  
*Cinnamomum* spp.  
*Delonix regia*  
*Erythrina* spp.  
*Eucalyptus* spp.  
*Fagraea fragrans*  
*Ficus religiosa*  
*Juniperus chinensis*  
*Khaya* spp.  
*Michelia* spp.  
*Millettia* spp.  
*Peltophorum pterocarpum*  
*Pisonia* spp.  
*Pterocarpus indicus*  
*Ravenala madagascariensis*  
*Samanea saman*  
*Tabebuia* spp.

### II. Palms

*Archontophoenix alexandrae*  
*Areca* spp.  
*Arenga* spp.  
*Bismarckia nobilis*  
*Caryota* spp.  
*Cocos nucifera*  
*Cycas* spp.  
*Cyrtostachys renda*  
*Dypsis lutescens*  
*Licuala* spp.  
*Livistona* spp.  
*Phoenix* spp.  
*Pritchardia* spp.  
*Ptychosperma macarthurii*  
*Rhapis* spp.  
*Roystonea* spp.  
*Veitchia merrilli*  
*Wodyetia bifurcata*

### III. Hedges & Shrubs

*Ardisia* spp.  
*Bambusa* spp.  
*Baphia nitida*  
*Bixa orellana*  
*Caesalpinia pulcherrima*  
*Callistemon* spp.  
*Canna* spp.  
*Citrus* spp.  
*Coleus* spp.  
*Cordyline* spp.  
*Costus* spp.  
*Cyperus* spp.  
*Duranta* spp.  
*Ficus benjamina*  
*Heliconia* spp.  
*Ixora* spp.  
*Lagerstroemia* spp.  
*Lantana* spp.  
*Melastoma malabathricum*  
*Murraya paniculata*  
*Nerium oleander*  
*Osmoxylon lineare*  
*Pachira* spp.  
*Schefflera* spp.

### IV. Flowering Plants

*Acalypha* spp.  
*Allamanda* spp.  
*Anthurium* spp.  
*Aster dumosus* L.  
*Begonia* spp.  
*Belamcanda chinensis*  
*Bougainvillea* spp.  
*Catharanthus roseus*  
*Celosia* spp.  
*Clerodendrum* spp.  
*Crinum* spp.  
*Crossandra infundibuliformis*  
*Gardenia* spp.  
*Helianthus* spp.  
*Hibiscus* spp.  
*Hymenocallis* spp.  
*Impatiens balsamina*  
*Jasminum* spp.  
*Nymphaea odorata*  
*Orthosiphon* spp.  
*Pachystachys coccinea*  
*Pentas lanceolata*  
*Plumeria* spp.  
*Rosa* spp.  
*Saintpaulia ionantha*  
*Sinningia speciosa*  
*Spathiphyllum* spp.  
*Tagetes* spp.  
*Wrightia* spp.  
*Zinnia* spp.

### V. Foliages

*Aglaonema* spp.  
*Alocasia* spp.  
*Alpinia* spp.  
*Caladium* spp.  
*Calathea* spp.  
*Codiaeum variegatum*  
*Colocasia esculenta*  
*Dieffenbachia* spp.  
*Draceana* spp.  
*Maranta* spp.  
*Philodendron* spp.  
*Sansevieria* spp.  
*Syngonium podophyllum*

## A Selected List of Trees & Ornamental Plants

VI. <u>Ground covers/grasses</u>	VII. <u>Ferns</u>	VIII. <u>Cacti/Succulents</u>	IX. <u>Climbers</u>	X. <u>Orchids</u>
<i>Arachis pintoii</i>	<i>Angiopteris evecta</i>	<i>Agave angustifolia</i>	<i>Argyreia nervosa</i>	<i>Arachnis spp</i>
<i>Axonopus compressus</i>	<i>Asparagus densiflorus</i>	<i>Aloe vera</i>	<i>Bauhinia kockiana</i>	<i>Aranda spp.</i>
<i>Cuphea hyssopifolia</i>	<i>Asplenium nidus L.</i>	<i>Cactus grandiflorus</i>	<i>Epipremnum spp.</i>	<i>Aranthera spp.</i>
<i>Cynodon dactylon</i>	<i>Blechnum gibbum</i>	<i>Crassula spp.</i>	<i>Episcia cupreata</i>	<i>Ascocenda spp.</i>
<i>Ophiopogon spp.</i>	<i>Cyathea spp.</i>	<i>Furcraea foetida</i>	<i>Ficus pumila</i>	<i>Cattleya spp.</i>
<i>Paspalum spp.</i>	<i>Davallia denticulata</i>	<i>Guzmania spp.</i>	<i>Hoya spp.</i>	<i>Dendrobium spp.</i>
<i>Tradescantia spathacea</i>	<i>Dynaria querciflora</i>	<i>Jatropha spp.</i>	<i>Ipomoea spp.</i>	<i>Grammatophyllum speciosum</i>
<i>Zephyranthes spp.</i>	<i>Microsorium punctatum</i>	<i>Kalanchoe blossfeldiana</i>	<i>Ipomoea quamoclit</i>	<i>Mokara spp.</i>
<i>Zoysia spp.</i>	<i>Nephrolepis spp.</i>	<i>Opuntia spp.</i>	<i>Lonicera japonica</i>	<i>Odontoglossum spp.</i>
	<i>Platynerium spp.</i>	<i>Peperomia spp.</i>	<i>Nepenthes spp.</i>	<i>Oncidium spp</i>
	<i>Selaginella spp.</i>	<i>Yucca spp.</i>	<i>Scindapsus spp.</i>	<i>Phalaenopsis spp.</i>
				<i>Spathoglottis plicata</i>
				<i>Vanda spp.</i>

# The Diseases and Pests

## I. TREES

### ***Adenanthera pavonina***

**Common Names:** Red Bead Tree, Saga

**Pests:**

Caterpillars (*Eulepis hebe*, Saturniidae)

Mealybugs (Pseudococcidae)

Whitefly (*Aleurodicus species*)

### ***Araucaria species*** (*Araucaria columnaris*, *Araucaria cunninghamii*, *Araucaria heterophylla*)

**Common Names:** Caledonia Pine, Cook's Pine, Hoop Pine, Moreton Bay Pine, New Caledonia Pine, Norfolk Island Pine, Star Pine)

**Fungi :**

Leaf spots (*Alternaria species*, *Curvularia species*, *Phomopsis species*)

Leaf blight (*Colletotrichum species*, *Macrophoma species*)

Leaf tip burn (*Pestalotiopsis species*)

**Pests:**

Scales (Diaspididae, Margarodidae)

Mealybugs (Pseudococcidae)

Termites (*Coptotermes curvignathus*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

### ***Bauhinia species*** (*Bauhinia purpurea* L., *Bauhinia tomentosa* L., *Bauhinia x blakeana* Dunn)

**Common Names:** Butterfly Bauhinia, Butterfly Tree, Hong Kong Bauhinia, Orchid Bauhinia, Orchid Tree, Tapak Kuda Kekapur

**Fungi:**

Leaf spots (*Gloeosporium species*, *Phomopsis species*, *Botryodiplodia species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Macrophoma species*, *Pestalotiopsis species*, *Pseudocercospora bauhiniae*)

Stem anthracnose (*Gloeosporium species*)



**Pests:**

Aphids (Aphididae)  
Whiteflies (*Aleurodicus species*, Aleyrodidae)  
Plant hoppers (Membracidae, Issidae)  
Caterpillars (Tortricidae, Lymantriidae)  
Beetles (*Autoserica rufocuprea* )  
Weevils (*Hypomeces squamosus*, Curculionidae )  
Mealybugs (Pseudococcidae)  
Scales (Margarodidae)  
Lace bugs (Tingidae)

Spiral nematodes (*Helicotylenchus species*)  
Reniform nematode (*Rotylenchulus reniformis*)  
Stunt nematodes (*Tylenchorhynchus species*)

***Bucida species*** (*Bucida buceras* L., *Bucida molineti*)

**Common Names:** Black Olive, Gregory Wood,  
Spiny Black Olive

**Fungi:**

Leaf spots (*Fusarium solani*, *Aspergillus species*, *Colletotrichum species*)  
Twig dieback (*Botryodiplodia species*, *Pestalotiopsis species*, *Phomopsis species*)

**Pests:**

Scales (Diaspididae)  
Caterpillars (Lymantriidae)  
Thrips (Phlaeothripidae)  
Bagworms (Psychidae)  
Plant hoppers (Flatidae)  
Mealybugs (Pseudococcidae)

***Cassia species*** [*Cassia bicapsularis*, *Cassia fistula* L., *Cassia grandis* L.f., *Cassia javanica* L. ssp. *nodosa* (Buch.-Ham. ex Roxb.) K. Larsen & S. Larsen, *Cassia mimosoides* L., *Cassia occidentalis*, *Cassia surattensis* Burm. f., *Cassia tora*]

**Common Names:** Golden Shower Tree, Indian  
Laburnum, Purging Cassia

**Fungi:**

Leaf spots (*Fusarium species*, *Glomerella species*, *Macrophoma species*, *Nigrospora species*, *Pestalotiopsis species*, *Cercospora species*)  
Wilt (*Leptographium species*, *Verticicladiella species*)  
Necrotic stems (*Phomopsis species*)

**Pests:**

Beetles (*Aprosterna pallida*, *Autoserica rufocuprea*, *Adoretus compressus*, *Apogonia cribricollis*)

Caterpillars (*Catopsilia pomona*, Gelechiidae, Hesperidae, Pieridae, Pyralidae, Tortricidae, *Eurema brigittan*)

Grasshoppers (Acrididae)

Leaf hoppers (Cicadellidae, Jassidae, Membracidae)

Scales (Margarodidae)

Mealybugs (Pseudococcidae)

Whiteflies (*Aleurodicus species*)

Red spider mites (Tetranychidae)

**Nematodes:**

Ring nematodes (*Criconemoides species*)

Reniform nematode (*Rotylenchulus reniformis*)

***Cinnamomum species*** [*Cinnamomum brasillensis*, *Cinnamomum camphora* (L.) J.Presl, *Cinnamomum iners* Reinw. ex Blume, *Cinnamomum spinosum*, *Cinnamomum verum* J. Presl]

**Common Names:** Japanese Camphor Tree, Kayu Manis Hutan, Wild Cinnamon

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Cladosporium species*, *Corynespora species*, *Gloeosporium species*, *Glomerella species*, *Guignardia species*, *Macrophoma species*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*, *Trichothyriopsis species*, *Alternaria species*, *Ascochyta species*, *Botryodiplodia species*, *Curvularia species*, *Drechslera species*, *Helminthosporium species*)

Rusts (*Puccinia species*)

Vein clearing (*Botryodiplodia species*)

Wood rot (*Cytospora species*, *Fusarium solani*, *Ganoderma species*, *Clonostachys species*, *Clonostachys rosea*, *Gliocladium solani*)

**Pests:**

Caterpillars (Arctidae, Geometridae, *Graphium species*, Hesperidae, Hesperidae, Notodontidae, Pyralidae, Saturniidae, Tortricidae, *Chilasa clytia*, *Dasychira horsfieldi*, *Graphium sarpedon*)

Bagworms (Psychidae)

Butterflies (Papilionidae)

Plant hoppers (Membracidae)

Scales (*Ceroplastes species*, Coccidae, Diaspididae, *Aspidiotus species*, *Ceroplastes species*, Coccidae, Diaspididae, *Saisettia species*)

Lace bugs (Tingidae)

Thrips (Thripidae)

Whiteflies (Aleyrodidae)

Wasps (Braconidae, Cecidomyiidae, Eriophyidae)

Atlas Moth (*Attacus atlas*)

Leaf miners (Gracillariidae)

## ***Delonix regia***

**Common Names:** Flamboyant, Flame of the Forest, Royal Poinciana

### **Fungi:**

Leaf spots (*Pestalotiopsis species*, *Pseudocercospora species*, *Colletotrichum species*)

Yellowing (*Phomopsis species*, *Macrophoma species*, *Gloeosporium species*)

Dried bark (*Trichoderma species*)

### **Pests:**

Beetles (*Autoserica rufocuprea*)

Caterpillar (Pyralidae)

Leafhoppers (Cicadellidae, Jassidae, Cixiidae)

Bagworm (Psychidae)

Bug (Tyhreocoridae)

### **Nematodes:**

Reniform nematode (*Rotylenchulus reniformis*)

## ***Erythrina species*** (*Erythrina crista-galli* L., *Erythrina crista-Waspi*, *Erythrina fusca* Lour., *Erythrina variegata* L.)

**Common Names:** Cockscomb Tree, Chekring, Coral Bean, Purple Coral-Tree, Swamp Erythrina, Coral Tree, Dadap, Tiger's Claw, Variegated Coral Tree

### **Fungi:**

Yellow/bronze/ leaf spots (*Alternaria species*, *Cercospora species*, *Cercospora erythinae*, *Pseudocercospora species*, *Glomarella species*, *Botryodiplodia species*, *Guignardia species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Phomopsis species*, *Culvularia species*, *Helminthosporium species*, *Pestalotiopsis species*, *Rhizopus species*, *Trichoderma species*)

### **Algae:**

*Cephaleuros species*

Rusts (*Puccinia species*, *Phakopsora pachyrhizi*)

Basal Rot (*Fusarium oxysporum*, *Fusarium solani*, *Leptographium species*)

Necrotic stalk/stem (*Phomopsis species*, *Colletotrichum species*)

Stalk canker (*Phomopsis species*)

Powdery mildew (*Oidium species*)

Sooty mould (*Meliola species*)

Wilt (*Fusarium species*, *Fusarium solani*, *Aspergillus species*)

Galling (*Fusarium solani*)

### **Pests:**

Caterpillars (Saturniidae, *Dactylispa species*, *Euproctis species*)

Bagworms (*Pteroma species*, Pteromalidae, Psychidae)

Thrips (Phlaeothripidae)

Plant hoppers (Flatidae)

Scales (Coccidae)

Whiteflies (Aleyrodidae)

Beetle (*Autoserica rufocuprea*, *Gonophora species*, Chysomelidae, Tenebrionidae)

### **Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Lesion nematodes (*Pratylenchus species*)

Root knot nematodes (*Meloidogyne species*)

Leaf miners (Gracillariidae)  
 Wasps (Hispidae, Pteromalidae, *Dicladispa species*)  
 Red spider mite (*Tetranychus species*, Tetranychidae)  
 Valanga Grasshopper (*Valanga nigricornis*)  
 Mealybugs (*Pseudococcus species*, Pseudococcidae)

***Eucalyptus species*** (*Eucalyptus alba* Rein. ex. Blume, *Eucalyptus cinerea* F.Muell. ex Benth., *Eucalyptus deglupta* Blume, *Eucalyptus pellita* F. Muell., *Eucalyptus ptychocarpa* F.Muell.)

**Common Names:** Poplar Gum, Salmon Gum, Timor White Gum, White Gum, River Red Gum, Argyle Apple, Deglupta, Kamarere, Mindanao Gum, Large-Fruited Red Mahogany, Spring Bloodwood, Swamp Bloodwood, Gum Tree

**Fungi:**

Leaf spots (*Glomorella species*, *Colletotrichum species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Phomopsis species*, *Pestalotiopsis species*, *Fusarium oxysporum*, *Rhizopus species*, *Gloeosporium species*, *Macrophoma species*)

Necrotic patches (*Pseudocercospora species*, *Botryodiplodia species*)

Sooty mould (*Meliola species*)

**Pests:**

Scales (Coccidae, Diaspididae, Eriophyridae)

Whiteflies (*Aleurodicus species*)

Beetle (*Autoserica rufocuprea*)

Wasps (Braconidae)

Cecid fly (Cecidomyidae)

**Algae:**

*Cephaleuros virescens*

***Fagraea fragrans***

**Common Names:** Tembusu

**Fungi:**

Leaf spots (*Botryodiplodia species*, *Corynespora species*, *Colletotrichum gloeosporioides*, *Colletotrichum species*, *Gloeosporium species*, *Helminthosporium species*, *Pestalotiopsis species*)

Necrotic patches/edges (*Alternaria species*, *Cercospora species*, *Colletotrichum species*)

Leaf curl (*Curvularia species*, *Penicillium species*)

Twig die-back (*Phomopsis species*)

**Algae:**

*Cephaleuros species*



**Pests:**

Caterpillars (Limacodidae, Pyrallidae, Tenthredinidae)  
 Bugs (Thyreocoridae)  
 Thrips (Phlaeothripidae, Thripidae, *Liothrips species*, *Tubulifera species*)  
 Leafhoppers (Cicadelidae, Cixiidae, Psyllidae)  
 Scales (Coccidae, Diaspidae, *Pseudaulacaspis species*)  
 Springtail (Entomobryidae)  
 Mealybugs (*Pseudococcus species*, Pseudococcidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)  
 Ring nematodes (*Criconemoides species*)

***Ficus religiosa***

**Common Names:** Bodhi Tree, Bohd Tree, Peepul Tree, Sacred Fig,

**Fungi:**

Leaf spots/patches (*Cercospora species*, *Colletotrichum gloeosporioides*, *Colletotrichum species*, *Cladosporium species*, *Coleosporium species*, *Macrophoma species*, *Phomopsis species*, *Phyllachora ficuum*, *Phyllachora repes*, *Phyllachora species*)

**Pests:**

Whitefly (Aleyrodidae)  
 Caterpillars (Pyrallidae)  
 Bugs (Thyreocoridae)  
 Thrips (Thripidae)  
 Planthoppers (Cercopidae, Flatidae)  
 Scales (Coccidae, Diaspidae)

**Nematodes:**

Stunt nematodes (*Tylenchorhynchus species*)

***Juniperus chinensis***

**Common Names:** Chinese Juniper, Juniper

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium species*, *Pestalotiopsis species*)  
 Leaf browning/blight (*Volutina species*, *Colletotrichum species*, *Botryodiplodia species*, *Pseudocercospora species*)  
 Twig die-back (*Fusarium solani*)  
 Wilt (*Fusarium solani*)

**Pests:**

Gall psyllid (*Megatrioza vitiensis*)  
 Bagworms (Psychidae)  
 Mealybugs (Pseudococcidae)  
 Scales (Coccidae, Diaspidae, *Pseudalacaspis pentagona*, *Curaspis species*)  
 Beetle (Chrysomelidae, Flatidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)  
 Root knot nematodes (*Meloidogyne species*)  
 Lesion nematodes (*Pratylenchus species*)  
 Stunt nematodes (*Tylenchorhynchus species*)  
 Dagger nematodes (*Xiphinema species*)

**Khaya species** [*Khaya grandifoliola* C.D.C., *Khaya senegalensis* (Desr.) A. Juss.]

**Common Names:** African Mahogany, Benin Mahogany, Large-Leaved Khaya, Bisselon, Senegal Khaya, Khaya

**Fungi:**

Leaf spots (*Guignardia species*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Helminthosporium species*, *Cladosporium species*, *Macrophoma species*, *Corynespora species*)

Brown wood (*Trichoderma species*, *Aspergillus species*, *Penicillium species*, *Phomopsis species*, *Rhizopus species*)

Collar/Root Rot [*Kretzschmaria zonata* (Syn:*Ustilina zonata*)]

White hyphae/mycelia (*Phellinus noxius*, *Fusarium species*, *Fusarium oxysporum*, *Sclerotium rolfsii*, *Clonostachys species*, *Mycosphaerella species*, *Aspergillus species*)

Fruiting bodies [*Kretzschmaria zonata* (Syn:*Ustilina zonata*)]

Spongy rot (*Ganoderma species*)

Petiole blotches (*Pestalotiopsis species*, *Phoma species*)

Tip die-back (*Pestalotiopsis uvicola*)

**Pests:**

Mealybugs (Pseudococcidae)

Planthoppers (Psyllidae, Flatidae)

Scales (*Saisettia species*)

**Algae:**

*Cephaleuros species*

**Nematodes:**

Stunt nematodes (*Tylenchorhynchus species*)

Spiral nematodes (*Helicotylenchus species*)

Ring nematodes (*Criconemoides species*)

**Michelia species** [*Michelia champaca* L., *Michelia figo* (Lour.) Spreng., *Michelia x alba* DC.]

**Common Names:** Chempaka Merah, Yellow Chempaka, Orange Chempaka, Banana Shrub, Chempaka Putih, White Chempaka,

**Fungi:**

Leaf spots ( *Botryodiplodia species*, *Pseudocercospora species*, *Fusarium species*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Gloeosporium species*, *Cladosporium species*, *Macrophoma species*, *Glomorella species*, *Pestalotiopsis species*)

Edge necrosis/blotches (*Cladosporium species*, *Colletotrichum gloeosporioides*, *Pseudocercospora species*, *Colletotrichum species*)

Twig necrosis (*Phomopsis species*)

Sooty mould (*Meliola species*)

**Pests:**

Caterpillars (*Attacus atlas*, Nymphalidae, Saturniidae, Tortricidae)

Ladybird (Coccinellidae)

Scales (Coccidae, Diaspidae, Margarodidae, *Ceroplastes species*, *Euonymus species*, *Saisettia species*)

**Algae:**

*Cephaleuros species*

**Nematodes:**

Stunt nematodes (*Tylenchorhynchus species*)

Spiral nematodes (*Helicotylenchus species*)

Ring nematodes (*Criconemoides species*)

Leafhoppers (Cixiidae)  
 Scales (Coccidae, Diaspidae, *Pseudaulacaspis species*)  
 Planthoppers (Membracidae)  
 Bagworm (Psychidae)  
 Aphid (Aphidae)  
 Mealybugs (*Pseudococcus species*, Pseudococcidae)

**Millettia species** [*Millettia pinnata* (L.) Panigrahi, *Millettia pinnata* var. *xerocarpa*]

**Common Names:** Indian Beech, Seashore  
Mempari, River Mempari

**Fungi:**

Leaf spots/patches (*Colletotrichum gloeosporioides*, *Pestalotiopsis species*, *Colletotrichum species*, *Fusarium species*, *Phyllachora species*)

Tar spots (*Fusarium species*, *Phyllachora species*, *Colletotrichum gloeosporioides*, *Phomopsis species*, *Phyllachora yapensis*)

**Pests:**

Caterpillars (Hisparidae, Lycaenidae, Pyralidae, Tortricidae)

Mealybugs (Pseudococcidae)

Scales (*Saisettia species*)

Leafhoppers (Cicadelidae)

Bagworm (*Pagodiella species*)

Wasps (Cecidomyiidae)

Thrips (Thripidae, Phlaeothripidae, Aeolothripidae, *Thrips parvispinus*)

Bugs (Thyreocoridae, Tingidae, Plataspidae)

**Peltophorum pterocarpum**

**Common Names:** Batai, Jemerlang Laut, Yellow  
Flame, Yellow Flamboyang

**Fungi:**

Leaf spots/patches (*Colletotrichum gloeosporioides*, *Cercospora species*, *Rhizopus species*, *Gloeosporium species*)

Yellowing/sooty mould (*Pestalotiopsis species*)

Wood discolouration (*Gliocladium species*, *Penicillium species*)

**Pests:**

Caterpillars (Geometridae, Pyralidae, Tortricidae)  
Mealybugs (Pseudococcidae)  
Scales (*Pulvinaria species*, Margaroridae)  
Leafhoppers (Jassidae)  
Bagworm (Psychidae)  
Planthoppers (Flatidae)  
Beetle (*Autoserica rufocuprea*)  
Bugs (Pentatomidae)  
Tussock moths (Lymantriidae)

<b><i>Pisonia species</i></b> ( <i>Pisonia alba</i> Span., <i>Pisonia grandis</i> R. Br. cv. 'Alba')	<b>Common Names:</b> Lettuce Tree, Moonlight Tree, Lettuce Tree, Kemudu
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**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Pestalotiopsis species*, *Colletotrichum species*, *Fusarium species*, *Cercospora species*, *Phomopsis species*, *Cladosporium species*)  
  
Yellowing (*Phomopsis species*)  
Necrotic stem (*Rhizopus species*)  
Basal rot (*Fusarium species*, *Pythium species*)

**Algae:**

*Cephaleuros species*

**Pests:**

Caterpillars (Pyralidae)  
Mealybugs (Pseudococcidae)  
Scales (*Pulvinaria species*, *Saisettia species*, Coccidae, Diapididae)  
Leafhoppers (Cixiidae)  
Whitefly (Aleyrodidae)  
Planthoppers (Flatidae, Psyllidae)  
Thrips (Thripidae)

**Nematodes:**

Dagger nematodes (*Xiphinema species*)

<b><i>Pterocarpus indicus</i></b>	<b>Common Names:</b> Angsana, Burmese Rosewood, Padauk, Philippines Mahogany
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**Fungi:**

Leaf spots/blotches (*Phyllachora species*, *Pseudothia ptercari*, *Colletotrichum gloeosporioides*, *Gloeosporium species*, *Macrophoma species*, *Phomopsis species*, *Corynespora species*, *Phoma species*)  
  
Leaf edge rotting (*Cladosporium species*)  
Angsana Wilt (*Fusarium oxysporum*, *Curvularia species*, *Verticillium species*, *Gliocladium species*, *Fusarium solani*)  
Fruiting bodies (*Ganoderma species*, *Podoscypha species*, *Trametes species*)



**Pests:**

Caterpillars (Nymphalidae, Tortricidae)  
 Mealybugs (Pseudococcidae)  
 Scales (Margarodidae)  
 Leafhoppers (Cicadellidae, Jassidae, Typhlocybinae)  
 Whitefly (*Aleyrodicus species*)  
 Planthoppers (Flatidae, Membracidae)  
 Beetle (*Platypus insularis*, *Autoseria rufocuprea*, Tenebrionidae)  
 Leafminer (*Neolithocolletis pentadesma*, *Neolithocolletis species*, Lithocolletinae)  
 Termite (*Coptotermes kalshoveni*)

**Nematodes:**

Root knot nematode (*Meloidogyne species*)  
 Spiral nematodes (*Helicotylenchus species*)

***Ravenala madagascariensis*****Common Names:** Traveller's Palm**Fungi:**

Leaf spots (*Pestalotiopsis species*, *Curvularia species species*, *Botryodiplodia species*)

Necrotic leaf edges (*Phoma species*)

Necrotic stem (*Colletotrichum gloeosporioides*, *Fusarium species*, *Fusarium verticilioides*, *Penicillium species*, *Phomopsis species*)

Sheath/trunk rot (*Fusarium oxysporum*)

**Pests:**

Scales (*Ischnopsis species*, Diaprididae)

**Nematodes:**

Stunt nematodes (*Tylenchorhynchus species*)

***Samanea saman*****Common Names:** Cow Tamarind, Pukul Lima, Rain Tree**Fungi:**

Leaf spots (*Helminthosporium species*, *Colletotrichum species*, *Macrophoma species*)

Leaf yellowing/mottles (*Phomopsis species*)

Necrotic trunk (*Cladosporium species*, *Colletotrichum gloeosporioides*, *Fusarium solani*, *Fusarium species*, *Trichoderma species*, *Gliocladium species*, *Verticillium species*, *Rhizopus species*, *Rhizoctonia species*, *Ustilina species*, *Clonostachys rosea*, *Clonostachys species*)

Stem lesions (*Pestalotiopsis species*, *Gloeosporium species*, *Corynespora species*)

Fruiting bodies (*Schizophyllum species*, *Trametes species*)

Vascular browning (*Botryodiplodia species*)

Discoloured wood (*Aspergillus species*, *Curvularia species*)

White rot (*Ganoderma species*)

**Pests:**

Caterpillars (Arctiidae, Gelechiidae, Tortricidae, Pyralidae, Geometridae)  
 Mealybugs (Pseudococcidae)  
 Scales (Diaspididae)  
 Planthoppers (Flatidae, *Lavana conspersa*, *Neolithocolletis species*, )  
 Whitefly (*Aleyrodicus species*)  
 Beetle (*Autoseria rufocuprea*, Tenebrionidae)  
 Armyworm (Noctuidae)  
 Wasps (Braconidae)  
 Bugs (Buprestidae, Pentatomidae)  
 Bagworms (Psychidae)

***Tabebuia species*** [*Tabebuia chrysantha* (Jacq.) G.Nicholson, *Tabebuia pallida* (Lindl.) Miers, *Tabebuia rosea* (Bertol.) DC.]

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)  
 Southern root-knot nematode (*Meloidogyne incognita*)  
 Lesion nematodes (*Pratylenchus species*)  
 Reniform nematode (*Rotylenchulus reniformis*)  
 Stunt nematodes (*Tylenchorhynchus species*)  
 Dagger nematodes (*Xiphinema species*)

**Common Names:** Yellow Trumpet, Cuban Pink Trumpet Tree, Pink Tecoma, Whitewood, White Cedar, Pink Poui, Rosy Trumpet Tree

**Fungi:**

Leaf blotches (*Colletotrichum gloeosporioides*, *Glomorella species*, *Gloeosporium species*, *Meliola species*)  
 Sooty mould (*Meliola species*)  
 Leaf yellow edges (*Cladosporium species*)  
 Necrotic stem/trunk (*Botryodiplodia species*, *Penicillium species*, *Fusarium oxysporum*)  
 Tip die-back (*Colletotrichum gloeosporioides*)  
 Necrotic rings (*Cytospora species*)

**Pests:**

Mealybugs (Pseudococcidae)  
 Wasps (Curculionidae)  
 Scales (Diaspididae, *Ceroplastes species*)  
 Ants (Formicidae)  
 Whitefly (*Aleyrodicus species*)

**Algae:**

*Cephaleuros species*

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)  
 Reniform nematode (*Rotylenchulus reniformis*)  
 Stunt nematodes (*Tylenchorhynchus species*)  
 Dagger nematodes (*Xiphinema species*)

# The Diseases and Pests

## II. Palms

### **Archontophoenix alexandrae**

**Common Names:** Alexandra Palm, King Palm

**Fungi :**

Leaf spots (*Botryodiplodia species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Drechslera species*, *Fusarium solani*, *Gloeosporium species*, *Macrophoma species*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*)

**Pests:**

Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)  
Hispid beetle (*Brontispa longissima*)  
Mealybugs (Pseudococcidae)

### **Areca species** (*Areca catechu* L., *Areca catechu* var. *Alba*, *Areca concinna*, *Areca triandra*, *Areca vestiaria*)

**Common Names:** Betel Nut Palm, Pinang Sirih, Areca Palm

**Fungi :**

Leaf spots (*Ascochyta species*, *Colletotrichum gloeosporioides*, *Drechslera species*, *Fusarium species*, *Pestalotiopsis species*, *Phoma species*, *Phomopsis species*, *Pseudocercospora species*, *Tetrapola species*, *Curvularia species*, *Macrophoma species*, *Botryodiplodia species*)

**Pests:**

Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)  
Beetle (*Orphilus species*)  
Bagworm (Psychidae)  
Scales (*Pseudaulacaspis species*, Diaspididae)  
Mealybugs (Pseudococcidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus dihystera*)  
Stunt nematodes (*Tylenchorhynchus species*)  
Dagger nematodes (*Xiphinema species*)

### **Arenga species** (*Arenga hookeriana*, *Arenga listeri*, *Arenga pinnata*, *Arenga saccharifera*)

**Common Names :** Hooker's Sugar Palm, Hooker's Fishtail Palm

**Fungi :**

Leaf spots (*Cercospora elaeidis*, *Colletotrichum species*, *Pestalotiopsis species*, *Phoma species*, *Botryodiplodia species*, *Colletotrichum gloeosporioides*, *Fusarium species*, *Phomopsis species*)

**Pests:**

Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)

***Bismarckia nobilis***

**Common Names:** Bismarck Palm

**Fungi:**

Leaf spots (*Botryodiplodia species*, *Choanephora species*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Fusarium species*, *Macrophoma species*, *Nigrospora species*, *Pestalotiopsis species*, *Phoma species*, *Phomopsis species*, *Curvularia species*, *Fusarium oxysporum*, *Fusarium solani*, *Melanoglyphium species*)

**Pests:**

Scales (*Diaspididae*, *Lepidosaphes species*)  
Mealybugs (*Pseudococcidae*)  
Beetles (*Silvanidae*)  
Plant Weevils (*Rhynchophorus schach*)  
Earwigs (*Forficulidae*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus dihystra*)  
Root Knot nematodes (*Meloidogyne species*)  
Stunt nematodes (*Tylenchorhynchus species*)

***Caryota species*** (*Caryota mitis* Lour., *Caryota no* Becc., *Caryota rumphiana* Mart., *Caryota urens* L., *Caryota zebrina* Hambali, Maturb., Heatubun & J.Dransf.)

**Common Names:** Common Fishtail Palm, Clustered Fishtail Palm, Tukas

**Fungi:**

Leaf spots (*Alternaria species*, *Botryodiplodia species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Curvularia species*, *Drechslera species*, *Fusarium species*, *Gloeosporium species*, *Glomerella species*, *Macrophoma species*, *Mycoledicus species*, *Nigrospora species*, *Pestalotiopsis palmarum*, *Phoma species*, *Phomopsis species*, *Pseudospiropes elaeidis*, *Tetraploa species*, *Zygophiala species*, *Zygosporium species*)  
Tar spots (*Sphaerodothis arengae*)

**Pests:**

Plant hoppers (*Psyllidae*)  
Butterflies (*Papilionidae*)  
Leafminers (*Gracillariidae*)  
Mealybugs (*Pseudococcidae*)  
Scales (*Lepidosaphes species*, *Margarodidae*, *Diaspididae*)

***Cocos nucifera***

**Common Names:** Coco Palm, Coconut, Coconut Palm, Kelapa

**Fungi:**

Leaf spots (*Botryodiplodia species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Curvularia species*, *Cylindrocladium species*, *Fusarium oxysporum*, *Helminthosporium species*, *Myrothecium species*, *Pestalotiopsis species*, *Phoma species*, *Phomopsis species*)

**Algae:**

*Cephaleuros species*



Vascular wilt (*Chalara species*, *Gliocladium species*)  
Basal rot (*Ganoderma species*)  
Fruit rot (*Thielaviopsis species*)

**Pests:**

Aphids (Aphididae)  
Bagworms (*Mahasena corbetti*, *Metisa plana*, Psychidae)  
Lace bugs (Tingidae)  
Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)  
Hispid beetles (*Brontispa longissima*)  
Scales (*Aspidiotus species*, *Aulacaspis species*, *Ceroplastes species*, Coccidae, Diaspididae, *Lepidosaphis species*, Margarodidae )  
Whiteflies (*Aleurocanthus species*, *Aleurodicus destructor*, *Aleurodicus species*, Aleyrodidae, *Trialeurodes ricini* )

**Nematodes:**

Ring nematodes (*Criconemoides species*)  
Spiral nematodes (*Helicotylenchus species*)  
Reniform nematodes (*Rotylenchulus reniformis*,  
Stunt nematodes (*Tylenchorhynchus species*)  
Dagger nematodes (*Xiphinema species*)

**Cycas species** (*Cycas circinalis*, *Cycas edentata*, *Cycas revoluta*)

**Common Names :** Fern Palm, Queen Sago, Japanese Cycad, Sago Cycad, Sago Palm

**Fungi:**

Leaf spots (*Fusarium species*, *Colletotrichum species*, *Pestalotiopsis species*, *Cylindrocladium species*, *Helminthosporium species*, *Phomopsis species*)

**Pests:**

Scales (Coccidae, *Aspidiotus species*, *Aulacaspis yasumatsui*, Diaspididae, *Saissetia species* )

**Cyrtostachys renda**

**Common Names :** Lipstick Palm, Maharajah Palm, Sealing Wax Palm, Pinang Rajah

**Fungi:**

Leaf spots (*Cercospora species*, *Colletotrichum gloeosporioides* , *Glomerella species*, *Helminthosporium species*, *Macrophoma species*, *Pestalotia longiseta*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*)

Basal Rot (*Ganoderma boninense*)

**Pests:**

Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)  
Scales (*Aspidiotus species*, Diaspididae , *Pulvinaria species*)  
Mealybugs (Pseudococcidae)  
Spider mites (Tetranychidae)

**Nematodes :**

Ring nematodes (*Discocriconemella limitanea*)  
Spiral nematodes (*Helicotylenchus species*)  
Root knot nematodes (*Meloidogyne species*)

## ***Dypsis lutescens***

**Common Names :** Butterfly Palm, Golden Cane Palm Yellow Cane Palm

### **Fungi:**

Leaf spots (*Drechslera species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Cylindrocladium species*, *Fusarium species*, *Colletotrichum species*, *Macrophoma species*, *Nigraspora species*, *Pestalotiopsis species*, *Tetraploa species*)

Fruiting body/brown fibre (*Ganoderma boninense*, *Ganoderma species*)

Stem rot (*Phomopsis species*, *Phytophthora species*, *Pythium species*, *Botryodiplodia species*)

### **Pests:**

Aphids (*Aphididae*)

Bagworms (*Mahasena corbetti*, *Pteroma plagiophleps*, *Psychidae*)

Hispid beetles (*Brontispa longissima*, *Wallaceana species*, *Gonophora species*)

Scales (*Aspidiotus species*, *Aulacaspis species*, *Ceroplastes species*, *Coccidae*, *Diaspididae*, *Lepidosaphis species*, *Margarodidae*)

### **Nematodes :**

Dagger nematodes (*Xiphinema species*)

Spiral nematodes (*Helicotylenchus species*)

Root knot nematodes (*Meloidogyne species*)

Reniform nematode (*Rotylenchulus reniformis*)

***Licuala species*** (*Licuala bintuluensis*, *Licuala cordata*, *Licuala grandis*, *Licuala orbicularis*, *Licuala spinosa*)

**Common Names:** Fan Palm, Vanuatu Fan Palm, Palas Payung

### **Fungi:**

Leaf spots (*Pseudocercospora species*, *Colletotrichum gloeosporioides*, *Melanographium palmicola*, *Pseudospiropes arecacensis*, *Phomopsis species*, *Pestalotiopsis species*)

Necrosis along leaf edges (*Phomopsis species*, *Pseudocercospora species*)

### **Pests:**

Scales (*Aspidiotus trauapardus*, *Diaspididae*)

Mealybugs (*Pseudococcidae*)

Hispid beetles (*Brontispa longissima*)

### **Nematodes:**

Reniform nematode (*Rotylenchulus reniformis*)

***Livistona species*** (*Livistona altissima*, *Livistona australis*, *Livistona chinensis*, *Livistona endauensis*, *Livistona decipiens*, *Livistona rotundifolia*, *Livistona soribus*)

**Common Names:** Australian Cabbage Tree Palm, Australian Fan Palm

### **Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Phaeochora livistoniae*, *Phomopsis species*, *Pestalotiopsis species*, *Cercospora species*, *Pseudospiropes arecacensis*)

Basal Rot (*Ganoderma boninense*)

**Pests:**

Bagworms (*Psychidae*, *Pteroma species*, *Cremastopsycre species*)  
 Hispid beetles (*Brontispa longissima*)  
 Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)  
 Weevils (*Rhynchophorus schach*)

**Nematodes:**

Stunt nematodes (*Tylenchorhynchus species*)

**Phoenix species** (*Phoenix canariensis*, *Phoenix dactylifera*, *Phoenix paludosa*, *Phoenix reclinata*, *Phoenix roebelenii*, *Phoenix rupicola*, *Phoenix sylvestris*, *Phoenix zeylanica*)

**Common Names:** Canary Island Date Palm, African Wild Date Palm, Senegal Date Palm, Dwarf Date Palm, Pygmy Dwarf Palm, Silver Date Palm, Sugar Date Palm, Toddy Palm, Wild Date Palm

**Fungi:**

Leafspots (*Pestalotiopsis species*, *Botryodiplodia species*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Fusarium species*, *Guignardia species*, *Passalora species*, *Phomopsis species*, *Pseudocercospora species*, *Fusarium oxysporum*, *Fusarium solani*, *Mycosphaerella species*)

**Pests:**

Hispid beetles (*Brontispa longissima*)  
 Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)  
 Leaf beetles (*Chrysomelidae*, *Promecetheca species*)  
 Aphids (*Aphididae*)  
 Scales (*Ceroplastes species*, *Diaspididae*, *Margarodidae*)  
 Whiteflies (*Aleyrodidae*)  
 Leafminers (*Promecotheca species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)  
 Root knot nematodes (*Meloidogyne species*)  
 Lesion nematodes (*Pratylenchus species*)  
 Reniform nematode (*Rotylenchulus reniformis*)  
 Stunt nematodes (*Tylenchorhynchus species*)  
 Dagger nematodes (*Xiphinema species*)

**Pritchardia species** (*Pritchardia pacifica*, *Pritchardia remota*, *Pritchardia thurstonii*)

**Common Names:** Fiji Fan Palm, Pritchardia Palm, Thurston Fan Palm)

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Macrophoma species*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*)  
 Basal rot (*Botryodiplodia species*, *Fusarium species*)

**Pests:**

Hispid beetles (*Brontispa longissima*)  
 Mealybugs (*Pseudococcidae*)  
 Weevils (*Rhynchophorus schach*)  
 Bagworms (*Psychidae*)

**Nematodes:**

Reniform nematode (*Rotylenchulus reniformis*)  
 Spiral nematodes (*Helicotylenchus species*)

## ***Ptychosperma macarthurii***

**Common Names:** Macarthur Palm

### **Fungi:**

Leaf spots (*Botryodiplodia species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Curvularia lunata*, *Cylindrocladium species*, *Gloeosporium species*, *Pestalotiopsis palmarum*, *Macrophoma species*, *Guignardia species*, *Phomopsis species*, *Stemphylium species*)

Rot (*Cunninghamella species*, *Fusarium oxysporum*)

Basal rot (*Ganoderma chalceum*, *Ganoderma boninense*)

### **Pests:**

Aphids (*Cerataphis lutuniae*)

Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)

Bagworms (*Platypus parallelus*, Psychidae)

Leaf beetles (*Tanecia lapis*)

Hispid beetles (*Wallaceana species*, *Brontispa longissima*)

Whiteflies (Aleyrodidae)

Caterpillars (*Chilades pandava*, Hesperidae)

Weevils (*Diocalandra frumenti*)

Thrips (Thripidae)

Leaf miners (*Neolithocolletis pentadesma*)

### **Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Dagger nematodes (*Xiphinema species*)

## ***Rhapis species* (*Rhapis excelsa*, *Rhapis humilis*, *Rhapis multifida*)**

**Common Names :** Bamboo Palm, Lady Palm, Fan Palm Reed Rhapis, Slender Lady Palm. Finger Palm

### **Fungi:**

Leaf spots (*Alternaria species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Fusarium moniliforme*, *Fusarium oxysporum*, *Gloeosporium species*, *Glomerella species*, *Phomopsis species*, *Pseudocercospora species*)

Vascular wilt (*Phytophthora palmivora*)

### **Pests:**

Mealybugs (Pseudococcidae)

Scales (Diaspididae)

Bagworms (Psychidae)

### **Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)



**Roystonea species** (*Roystonea oleracea*, *Roystonea regia*)

**Common Names :** Caribbean Royal Palm, Feathery Cabbage Palm, Palmiste, West Indian Royal Palm

**Fungi:**

Leaf spots (*Curvularia species*, *Glomerella species*, *Pestalotiopsis species*, *Colletotrichum gloeosporioides*)

Vascular wilts (*Fusarium oxysporum*)

**Pests:**

Hispid beetles (*Brontispa longissima*)

Mealybugs (*Pseudococcidae*)

Asiatic Rhinoceros Beetle (*Oryctes rhinoceros*)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

**Veitchia merrilli**

**Common Names:** Adonidia Palm, Christmas Palm, Dwarf Royal Palm, Manila Palm

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium moniliforme*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*)

**Pests:**

Whiteflies (*Aleurodicus species*)

Hispid beetles (*Brontispa longissima*)

Scales (*Diaspididae*)

Caterpillars (*Limacodidae*)

Beetle Mites (*Oribatidae*)

Mealybugs (*Pseudococcidae*, *Wallaceana species*)

**Wodyetia bifurcata**

**Common Names:** Foxtail Palm

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Gloeosporium species*, *Macrophoma species*, *Phomopsis species*, *Pseudocercospora species*, *Pestalotiopsis species*)

Basal rot (*Ganoderma species*)

**Pests:**

Scales (*Diaspididae*)

Mealybugs (*Pseudococcidae*)

Whiteflies (*Aleyrodidae*)

Hispid beetles (*Brontispa longissima*)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Root knot nematodes (*Meloidogyne species*)

Dagger nematodes (*Xiphinema species*)

# The Diseases and Pests

## III. Hedges & Shrubs

**Ardisia species** (*Ardisia elliptica*, *Ardisia humilis*, *Ardisia littoralis*)

**Common Names:** Mata Pelanduk, Sea-Shore Ardisia, Shoebuttan Ardisia

**Fungi :**

Leaf spots (*Cephaleuros species*, *Colletotrichum species*, *Gloeosporium species*, *Macrophoma species*, *Phomopsis species*, *Pestalotiopsis species*)

**Pests:**

Caterpillars (Limacodidae, Pyralidae, Tortricidae)

Bagworms (*Pagodiella hekmyeri*, Psychidae )

Mealybugs (Pseudococcidae, *Rastrococcus species*, *Pseudococcus longispinus*, *Rastrococcus spinosus* )

Scales (*Ceroplastes species*, Coccidae, Diaspididae )

**Nematodes:**

Ring nematodes (*Criconemoides species*)

Root knot nematodes (*Meloidogyne species*)

Spiral nematode (*Helicotylenchus dihystra*)

**Bambusa species** [*Bambusa multiplex* (Lour.) Raeusch. ex Schult. & Schult. f., *Bambusa textilis* McClure, *Bambusa ventricosa* McClure, *Bambusa vulgaris* Schrad. ex J.C. Wendl]

**Common Names:** Bulunh Pagar, Chinese Dwarf Bamboo, Hedge Bamboo, Snowy Bamboo Palm, Common Bamboo, Yellow Bamboo

**Fungi :**

Leaf spots (*Cladosporium species*, *Colletotrichum gloeosporioides*, *Fusarium species*, *Gloeosporium species*, *Phomopsis species*, *Puccinia species*, *Uredo ignava*, *Cochliobolus heterostrophus*, *Fusarium solani*, *Macrophoma species*, *Pestalotiopsis species*, *Helminthosporium species*)

**Pests**

Caterpillars (Pyralidae)

Mites (*Brevipalpus phoenicis*, *Schizotetranychus celarius*, Eriophyidae)

Sap beetles (Nitidulidae)

Scales (*Asterotecanium species*, Coccidae, Diaspididae, *Ischnaspis species*, *Ceroplastes species*)

Whiteflies (Aleyrodidae)

Mealybugs (*Antomina maritima*, Pseudococcidae)

Hispid beetles (*Wallaceana species*)

**Nematodes:**

Ring nematodes (*Criconemoides species*, *Discocriconemella limitanea*)

Lance nematodes (*Hoplolaimus species*)

Spiral nematodes (*Helicotylenchus species*)

Root-knot nematodes (*Meloidogyne species*)

Lesion nematodes (*Pratylenchus species*)

Reniform nematodes (*Rotylenchulus reniformis*)

Stunt nematodes (*Tylenchorhynchus species*)

Dagger nematodes (*Xiphinema species*)

***Baphia nitida*****Common Names:** Barwood, Camwood**Fungi :**

Leaf spots (*Botryodiplodia species*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Gloeosporium species*, *Macrophoma species*, *Pseudocercospora species*)

**Pests:**

Bug (Aradidae)  
Plant Weevil (Curculionidae)  
Plant hopper (Flatidae, Psyllidae)  
Beetle (Lyctidae)  
Mealybugs (Pseudococcidae)

**Nematodes:**

Ring nematodes (*Criconemoides species*)

***Bixa orellana*****Common Names:** Anatto, Kesumba, Lipstick Tree**Fungi:**

Leaf spots (*Colletotrichum species*, *Oidium species*, *Phomopsis species*)  
Vein necrosis (*Fusarium species*)

**Pests:**

Whiteflies (Aleyrodidae)  
Leafhoppers (Cixiidae)  
Beetles (Eluteridae)  
Leaf bugs (Miridae)  
Mealybugs (Pseudococcidae)

***Caesalpinia pulcherrima*****Common Names:** Peacock Flower, Pride of Barbados**Fungi:**

Leaf spots (*Colletotrichum capsici*, *Pestalotiopsis species*)

**Pests:**

Leaf hoppers (Cixiidae)  
Caterpillars (Gelechiidae, Pieridae, Tortricidae, *Lema species*, Limacidae)  
Bagworms (Psychidae, *Metisa species*)  
Leafminers (Gracillariidae)  
Mealybugs (Pseudococcidae)  
Scales (Coccidae)

**Nematodes:**

Ring nematodes (*Criconemoides species*)  
Spiral nematodes (*Helicotylenchus species*)  
Lesion nematodes (*Pratylenchus species*)

**Callistemon species** (*Callistemon citrinus*, *Callistemon viminalis*)

**Common Names:** Crimson Bottlebrush, Lemon Scented Bottlebrush

**Fungi:**

Leaf spots (*Cercospora species*, *Colletotrichum gloeosporioides*, *Gloeosporium species*, *Pestalotiopsis species*, *Phomopsis species*, *Macrophoma species*)

Sooty mould (*Meliola species*)

Powdery mildew (*Oidium species*)

**Pests:**

Aphids (Aphididae)

Scales (*Ceroplastes species*, Diaspididae, *Vinsonia species*)

Armyworms (Noctuidae)

Caterpillars (Pyralidae, Tortricidae, Lymantriidae, Gelechiidae)

Mealybugs (Pseudococcidae)

Leaf miners (*Phyllocnistis citrella*)

Bagworms (Psychidae)

Plant hoppers (Psyllidae)

Whiteflies (*Aleurodicus species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Root knot nematodes (*Meloidogyne species*)

**Canna species** [*Canna x generalis* (Hybrid), *Canna generalis* cv.Striatus, *Canna indica* L., *Canna var. generalis* L.H.Bailey]

**Common Names:** Indian Shot Plant, Canna lily

**Fungi:**

Leaf spots (*Botryodiplodia species*, *Pestalotiopsis species*, *Alternaria species*, *Cercospora species*, *Colletotrichum species*, *Curvularia species*, *Fusarium species*, *Helminthosporium species*, *Macrophoma species*, *Pestalotiopsis species*, *Phomopsis species*, *Pyricularia species*, *Macrophoma species*, *Curvularia inequalis*, *Fusarium solani*)

Rusts (*Puccinia species*, *Coleosporium species*, *Puccinia cannae*, *Puccinia thaliae*, *Uromyces species*)

**Pests:**

Beetles (*Adoretus borneensis*, *Adoretus compressus*, *Apogonnia cibricollis*, *Autoserica rufocuprea*)

Bagworms (*Pteroma plagiophleps*)

Caterpillars (Lymantriidae)

Whiteflies (*Aleurodicus species*, Aleyrodidae)

Wasps (Cecidomyiidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Burrowing nematodes (*Radopholus species*)



**Citrus species** [*Citrus aurantifolia* (Christm.) Swingle, *Citrus hystrix* DC, *Citrus indica* Tanaka, *Citrus japonica* Thunb., *Citrus limon* (L.) Burm. f., *Citrus maxima* (Burm.) Merr., *Citrus medica* L. 'Fingered', *Citrus mitis* Blanco, *Citrus paradisi* Macfad., *Citrus reticulata* Blanco, *Citrus sinensis* (L.) Osbeck]

**Common Names:** Lime, Limau Asam, Kaffir Lime, Kumquat, Lemon, Pomelo, Golden Lime, Mandarin Orange, Sweet Orange

**Fungi:**

Leaf spots (*Botryodiplodia species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Curvularia maculans*, *Macrophoma species*, *Fusarium oxysporum*, *Fusarium solani*, *Gloeosporium species*, *Phomopsis species*, *Tripodermium myrti*, *Alternaria species*, *Colletotrichum capsici*, *Glomerella species*, *Guignardia species*, *Pestalotia species*)

Vascular wilt (*Fusarium species*, *Fusarium oxysporum*)

Shoot dieback (*Gloeosporium species*, *Phomopsis species*, *Colletotrichum species*)

Fruit soft rot (*Geotrichum species*, *Botryodiplodia species*, *Penicillium species*, *Cladosporium species*, *Gloeosporium species*)

Scab (*Elsinoe fawcettii*)

Root rot (*Phellinus noxius*)

**Pests:**

Aphids (Aphididae)

Caterpillars (Nymphalidae, Pyralidae, Tortricidae, *Papilio species*, Arctiidae, *Citripestis sagittiferella*, *Prays endocarpa*, Pailionidae, *Attacus atlas*)

Scales (*Ceroplastes species*, Coccidae, Diaspididae, *Saisettia species*, *Lepidosaphes corrugata*, Margarodidae, *Lepidosaphis beckii*)

Bagworms (Psychidae)

Plant hoppers (Membracidae)

Leafminers (*Phyllocnistis citrella*, *Liriomyza species*, Gracillariidae, *Phyllocnistis species*)

Mites (*Tetranychus cinnabatinus*, *Phyllocoptruta species*)

Fruit flies (*Bactrocera albistrigata*, *Bactrocera dorsalis*, *Bactrocera cucurbitae*, *Dacus ferrugineus*)

Whiteflies (*Bemisia tabaci*, Aleyrodidae, *Aleurocanthus spiniferus*)

Mealybugs (Pseudococcidae, *Pseudococcus species*)

Stink bugs (*Rhynchocoris humeralis*)

**Bacteria:**

Huanglongbin (*Candidatus Liberibacter asiaticus*)

**Virus:**

Citrus tristeza virus

Cucumber mosaic virus

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Dagger nematodes (*Xiphinema species*)

Lance nematodes (*Hoplolaimus species*)

Lesion nematodes (*Pratylenchus species*)

Burrowing nematodes (*Radopholus species*)

Root knot nematodes (*Meloidogyne species*)

Reniform nematodes (*Rotylenchulus species*)

False-sheath nematodes (*Hemicriconemoides species*)

Stunt nematodes (*Tylenchorhynchus species*)

Ring nematodes (*Criconemoides species*)

**Coleus species****Common Name:** Coleus**Fungi:**Leaf rot (*Colletotrichum species*, *Rhizoctonia species*)**Bacteria:**Vascular wilt (*Ralstonia solanacearum*)**Nematodes:**Spiral nematodes (*Helicotylenchus species*)Root knot nematode (*Meloidogyne species*)Reniform nematodes (*Rotylenchulus reniformis*)**Cordyline species** (*Cordyline fruticosa*, *Cordyline fruticosa* 'Firebrand', *Cordyline fruticosa* 'Sundance', *Cordyline fruticosa* 'White', *Cordyline indivisa* Steud. *Cordyline terminalis*)**Common Name:** Mountain Cabbage Tree**Fungi:**Leaf spots (*Botryodiplodia species*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Curvularia species*, *Cylindrocladium species*, *Fusarium oxysporum*, *Macrophoma species*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*, *Botryodiplodia species*, *Fusarium solani*, *Fusarium moniliforme*, *Glomerella species*)Vascular wilt (*Botryodiplodia species*)**Pests:**

Whiteflies (Aleyrodidae)

Mealybugs (Pseudococcidae)

Scales (*Aulacaspis species*, Coccidae, Diaspididae, *Lepidosaphes species*)

Caterpillars (Geometridae)

**Nematodes:**Spiral nematodes (*Helicotylenchus species*)Burrowing nematodes (*Radopholus species*)Reniform nematodes (*Rotylenchulus reniformis*)Dagger nematodes (*Xiphinema species*)**Costus species** (*Costus amazonicus*, *Costus curvibracteatus*, *Costus erythrophyllus*, *Costus sanguineus*, *Costus speciosus*, *Costus spicatus*, *Costus stenophyllus*, *Costus woodsonii*)**Common Name:** Orange Tulip Ginger, Violet Spiral Flag, Cane Reed, Crape Ginger, Spiral Flag, White Costus, Bamboo Ginger**Fungi:**Leaf spots (*Colletotrichum gloeosporioides*, *Curvularia species*, *Helminthosporium species*, *Pseudocercospora species*, *Fusarium species*, *Gloeosporium species*, *Phoma species*, *Phomopsis species*, *Pyricularia species*)Leaf rust (*Puccinia species*, *Puccinia costina*, *Uredo species*)Leaf edge rot (*Colletotrichum gloeosporioides*, *Fusarium species*, *Fusarium oxysporum*, *Corynespora species*, *Mycoleptodiscus species*)Stem rot (*Curvularia species*, *Pestalotiopsis species*)**Pests:**

Aphids (Aphididae)

Bagworms (Psychidae)

Mealybugs (Pseudococcidae)

Scales (Diaspididae)

**Cyperus species** (*Cyperus alternifolius*, *Cyperus papyrus*)

**Common Name** : Umbrella Plant, Egyptian Paper Plant, Cyperus

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium oxysporum*, *Macrophoma species*, *Phomopsis species*, *Curvularia species*)

**Duranta species** (*Duranta* cvs. 'Dwarf White', 'Dwarf Yellow'; *Duranta erecta* L. cv. 'Gold')

**Common Name** : Forget-Me-Not, Golden Dewdrop, Pigeon Berry, Skyflower

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Corynespora species*, *Curvularia species*, *Fusarium solani*, *Phomopsis species*, *Pseudocercospora species*)

**Pests:**

Aphids (Aphididae)

Leafminers (Agromyzidae)

Scales (*Ceroplastes species*, *Coccidae*, *Diaspididae*, *Pulvinaria species*)

Whiteflies (*Aleurodicus species*)

Mealybugs (Pseudococcidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Root knot nematodes (*Meloidogyne species*)

**Ficus benjamina**

**Common Name** : Waringin, Weeping Fig

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Curvularia species*, *Gibberella species*, *Macrophoma species*, *Pestalotiopsis species*, *Phomopsis species*)

**Pests:**

Whiteflies (*Aleurocanthus spiniferus*)

Scales (*Ceroplastes species*, *Diaspididae*)

Plant hoppers (Flatidae, Psyllidae)

Thrips (*Liothrips species*, Thripidae, Phlaeothripidae)

Mealybugs (Pseudococcidae)

Bagworms (Psychidae)

Caterpillars (Sphingidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematodes (*Rotylenchulus reniformis*)

Lesion nematodes (*Pratylenchus species*)

Stunt nematodes (*Tylenchorhynchus species*)

Dagger nematodes (*Xiphinema species*)



**Heliconia species** (*Heliconia* cv.'Broad Leaf', *Heliconia* 'Golden Torch', *Heliconia* 'Tropic Fleur', *Heliconia densiflora* Verlot cv. 'Fire Flash', *Heliconia illustris* Hort.Bull., *Heliconia indica* Lam., *Heliconia latispatha* Benth., *Heliconia psittacorum* L.f. cv 'Lady Di', *Heliconia rostrata* Ruiz & Pav., *Heliconia stucta* J. Huber, *Heliconia wagnerana* Petersen)

**Common Name :** Parrot's Flower, Parakeet Heliconia, Hanging Lobster Claw, Red Flame Ivy, Heliconia

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Puccinia heliconiae*, *Curvularia species*, *Botryodiplodia species*, *Pestalotiopsis species*, *Phomopsis species*, *Cercospora species*, *Cercospora heliconiae*, *Fusarium moniliforme*, *Fusarium oxysporum* )

**Pests:**

Bagworms (Psychidae)  
Scales (Diaspididae )  
Thrips (Phlaeothripidae)  
Mealybugs (Pseudococcidae)  
Lace bugs (Tingidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)  
Reniform nematodes (*Rotylenchulus reniformis*)  
Lesion nematodes (*Pratylenchus species*)  
Root knot nematodes (*Meloidogyne species*)

**Ixora species** (*Ixora coccinea* L. *chinensis* Lam., *Ixora coccinea* L., *Ixora finlaysoniana* Wall., *Ixora javanica* DC., *Ixora macrophylla* Bartl. ex Koorders-Schum., *Ixora westii* West, *Ixora* cvs. 'Molly Garret', 'Siamensis', 'Super King', ' Super Orange', 'Super Pink', 'Super Queen')

**Common Names :** Chinese Ixora

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Pestalotiopsis species*, *Cercospora species*)

Wilt (*Phomopsis species*)

**Pests:**

Aphids (Aphididae)  
Leaf hoppers (Cixiidae)  
Scales (Coccidae, *Vinsonia species*, Diaspididae , *Ceroplastes species*)  
Bagworms (*Pagodiella hekmeyeri*, Psychidae)  
Mealybugs (Pseudococcidae)  
Whiteflies (*Trialeurodes ricini* , Aleyrodidae)  
Caterpillars (*Adoxophyes fasciculana*, Gelechiidae, Saturniidae, Lymantriidae )  
Beetles (*Apogonia cribricollis*)  
Stink bugs (*Catacanthus species*)  
Red cotton stainer (*Dysdercus cingulatus* )  
Leaf miners (Lithocolletinae, *Neolithocolletis pentadesma* )

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)  
Reniform nematodes (*Rotylenchulus reniformis*)  
Lesion nematodes (*Pratylenchus species*)  
Root knot nematodes (*Meloidogyne species*)



**Lagerstroemia species** (*Lagerstroemia indica*, *Lagerstroemia floribunda*, *Lagerstroemia langkawiensis*, *Lagerstroemia speciosa*)

**Common Names :** Crepe Myrtle, Queen Flower

**Fungi:**

Leaf spots (*Colletotrichum species*, *Fusarium solani*, *Gloeosporium species*, *Colletotrichum gloeosporioides*, *Pestalotiopsis species*, *Botryodiplodia species*, *Macrophoma species*, *Colletotrichum capsici*, *Cercospora species*, *Phomopsis species*)

**Pests:**

Beetles (*Aprosterna pallida*, *Autoserica rufocuprea*, Cassidinae, Nitidulidae)

Aphids (Aphididae)

Caterpillars (Arctiidae, Lycaenidae, Pieridae, Pyralidae, Tortricidae, Noctuidae, Lycaenidae)

Lace bugs (Tingidae)

Plant hoppers (Psyllidae, Membracidae, Issidae, Flatidae)

Bagworms (Psychidae)

Mealybugs (*Pseudococcus species*)

Scales (Diaspididae, Coccidae)

Leafminers (*Neolithocolletis species*)

**Lantana species** (*Lantana camara*, *Lantana montevidensis*)

**Common Names :** Bunga Tahi Ayam, Common Lantana, Shrub Verbena, Tick Berry

**Fungi:**

Leaf spots (*Alternaria species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Cylindrocladium species*, *Gloeosporium species*, *Glomerella species*, *Pseudocercospora formosana*)

Stem rot (*Botryodiplodia species*, *Fusarium species*, *Phytophthora species*)

Twig dieback (*Phomopsis species*)

**Pests:**

Aphids (Aphididae)

Beetles (Miridae, Nitidulidae, Pentatomidae)

Lace bugs (Tingidae)

Scales (Diaspididae, Margarodidae)

Plant hoppers (Cercopidae)

Leafminers (Agromyzidae)

**Nematodes :**

Root knot nematodes (*Meloidogyne species*)

Lance nematodes (*Hoplolaimus species*)

**Melastoma malabathricum****Common Names :** Sendudok, Straits Rhododendron**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides* , *Pestalotiopsis species*, *Phomopsis species*, *Fusarium solani*)

**Pests:**

Aphids (Aphididae)  
 Caterpillars (Lymantriidae, Pyralidae, Theretra suffusa, *Dasychira baruna*)  
 Plant hoppers (Membracidae)  
 Mealybugs (Pseudococcidae)  
 Scales (Margarodidae, Diaspididae , *Ceroplastes species*)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

**Murraya paniculata****Common Names :** China Box, Orange Jasmine, Mock Orange**Fungi:**

Leafspots (*Colletotrichum gloeosporioides* , *Tetraploa species*)

**Pests**

Aphids (Aphididae)  
 Caterpillars (Arctiidae)  
 Beetles (*Aspidomorpha miliaris*, Cassidinae)  
 Plant hoppers (Cercopidae, Cicadellidae, Flatidae, Jassidae)  
 Scales (Coccidae, Diaspididae , Margarodidae, *Pulvinaria species*, *Pseudaulacaspis pentagona* )  
 Thrips (Phlaeothripidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)  
 Reniform nematodes (*Rotylenchulus reniformis*)

**Mussaenda species** (*Mussaenda erythrophylla*, *Mussaenda philippica* 'Aurorae')**Common Names :** Ashanti Blood, Flame of the Forest**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Curvularia species*, *Fusarium species*, *Phomopsis species*, *Pseudocercospora philippinensis*, *Pestalotiopsis species*)

Wilt (*Phomopsis species*)

**Pests:**

Aphids (Aphididae)  
 Bagworms (Psychidae)  
 Lace bugs (*Staphanitis species*)  
 Mealybugs (Pseudococcidae)  
 Scales (Coccidae, *Ceroplastes species*, Margarodidae, *Diaspididae* )  
 Whiteflies (*Aleurocanthus species*, *Aleurodicus species*, Aleyrodidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

***Nerium oleander*****Common Names :** Oleander**Fungi:**

Leaf spots (*Colletotrichum species*, *Pseudocercospora kurimensis* )

**Pests:**

Mealybugs (Pseudococcidae)

***Osmoxylon lineare*****Common Names :** Green Aralia**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides* , *Curvularia species*, *Pestalotiopsis species*, *Phomopsis species*, *Guignardia species*)

**Pests:**

Bagworms (Psychidae)

Beetles (Chrysomelidae)

Leafhoppers (Jassidae)

Mealybugs (Pseudococcidae)

Plant hoppers (Flatidae)

Scales (Coccidae, Diaspididae , *Pulvinaria species*, *Saisettia species*, Margarodidae)

***Pachira species* (*Pachira aquatica*, *Pachira macrocarpa*)****Common Names :** Guiana Chestnut, Oje, Provision Tree**Fungi:**

Leaf spots (*Botryodiplodia species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Fusarium species*)

**Pests:**

Scales (Diaspididae, *Vinsonia species*)

Whiteflies (*Aleurodicus species*)

***Schefflera species*** [*Schefflera actinophylla* (Endl.) Harms., *Schefflera amate*, *Schefflera arboricola* (Hayata) Kaneh]

**Common Names :** Australian Ivy-Palm Umbrella Tree

**Fungi:**

Leafspots (*Colletotrichum gloeosporioides* , *Gloeosporium species*, *Macrophoma species*, *Pestalotiopsis species*)

Stem rot (*Phomopsis species*)

**Pests:**

Aphids (Aphididae)

Caterpillars (Pyrilidae, Tortricidae)

Scales (Coccidae, Diaspididae , *Ischnaspis species*, *Pulvinaria species*, *Vinsonia species*, *Saisettia species* )

Whiteflies (Aleyrodidae)

Bagworms (Psychidae)

Plant hoppers (Psyllidae)

Red spider mites (Tetranychidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematodes (*Rotylenchulus reniformis*)

Lesion nematodes (*Pratylenchus species*)



# The Diseases and Pests

## IV. Flowering Plants

**Acalypha species** (*Acalypha hispida* Burm. f., *Acalypha wilkesiana* Mull. Arg.)

**Common Names:** Chenille Plant, Red Hot Cat's Tail, Fijian Fire Plant, Copper Leaf

**Fungi :**

Leaf spots (*Phomopsis species*, *Botryodiplodia species*)

Soft rot at edges (*Colletotrichum capsici*, *Phytophthora species*)

**Pests:**

Whitefly (*Aleurodicus species*)

Thrips (Phlaeothripidae, Thripidae)

Mealybugs (*Pseudococcus species*)

Wasps (Psyllidae)

Rose Beetle (*Adoretus compressus*)

Chafer Beetle ( *Apogonia cribricollis*)

Valanga Grasshopper (*Valanga nigricornis*)

**Allamanda species** (*Allamanda blanchetii* A. DC., *Allamanda cathartica* L., *Allamanda oenotheraefolia*)

**Common Names ;** Purple Allamanda, Golden Trumpet, Yellow Allamanda, Bush Allamanda

**Fungi :**

Angular necrotic spots (*Colletotrichum gloeosporioides*, *Helminthosporium species*)

Leaf spots (*Corynespora species*, *Gloeosporium species*, *Macrophoma species*)

Sooty mould (*Meliola species*)

**Pests:**

Whitefly (Aleyrodidae)

Leafhopper (Cixiidae)

Planthopper (Flatidae)

Scale (Diaspididae )

Caterpillar (Tortricidae)

**Anthurium species** (*Anthurium andraeanum*, *Anthurium miniatum*, *Anthurium palmatum*)

**Common Names :** Anthurium,  
Flamingo Flower, Tailflower

**Fungi :**

Leaf spots (*Colletotrichum gloeosporioides*, *Curvularia species*, *Phomopsis species*, *Macrophoma species*, *Ascochyta species*, *Cercospora species*, *Fusarium solani* , *Sclerotia species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Burrowing nematode (*Radopholus similis*)

Stunt nematodes (*Tylenchorhynchus species*)

**Aster dumosus**

**Common Names:** Pillow Aster

**Fungi :**

Leaf spots (*Curvularia species*)

Wilt (*Fusarium oxysporum*)

**Nematodes:**

Foliar nematode (*Aphelenchoides ritzemabosi* )

**Begonia species** (*Begonia semperflorens*, *Begonia* cv. 'Fireking')

**Common Names:** Fireking Begonia

**Fungi:**

Leaf spots (*Colletotrichum species*, *Uromyces species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Fusarium solani* , *Helminthosporium species*, *Macrophoma species*, *Phomopsis species*)

**Virus:**

Broad bean wilt Fabavirus

**Belamcanda chinensis**

**Common Names:** Leopard Flower

**Fungi:**

Leaf spots (*Cladosporium species*, *Colletotrichum gloeosporioides*, *Drechslera species*, *Macrophoma species*, *Phoma species* )

Leaf yellowing (*Fusarium oxysporum*, *Phomopsis species*)

**Pests:**

Scales (*Aonidiella species*, Diaspididae )

**Bougainvillea species** (*Bougainvillea glabra* cvs.'Big Leaf', Chili Red, 'Elizabeth Angus', 'Choisy', 'Singapore Pink', 'Klong Fire', 'May', 'Mrs Eva', 'Orange Stripe', 'Pink', 'Sanderiana', *Bougainvillea spectabilis* Willd. cvs.'Sakura', 'White')

**Common Names:** Bougainvillea

**Fungi:**

Leaf spots (*Alternaria species*, *Cercospora species*, *Cercosporidium bougainvilleae*, *Colletotrichum gloeosporioides* , *Corynespora species*, *Curvularia species*, *Colletotrichum capsici*, *Cylindrocladium species*, *Fusarium oxysporum*, *Fusarium solani*, *Gloeosporium species*, *Glomerella species* , *Macrophoma species*, *Passalora bougainvilleae*, *Pestalotiopsis species*, *Phoma species*, *Phomopsis species*, *Pseudocercospora bougainvilleae*, *Stenella bougainvillea*)

**Bacteria:**

Leaf spots (*Pseudomonas syringae*, *Burkholderia andropogonis*)

**Pests:**

Mealybugs (Pseudococcidae)

Scales (Coccidae, Diaspididae, *Pulvinacia species* )

Red spider mites (*Tetranychus species*, *Eriophyes species* )

**Virus:**

Tobacco mosaic obamovirus

Zucchini yellow mosaic Potyvirus

Cymbidium mosaic Potexvirus

**Nematodes:**

Burrowing nematodes (*Radopholus species*)

Spiral nematodes (*Helicotylenchus species*)

Dagger nematodes (*Xiphinema species*)

Ring nematode (*Criconemoides species*, *Discocriconemella limitanea*)

Lance nematodes (*Hoplolaimus species*)

Root knot nematodes (*Meloidogyne species*)

Lesion nematodes (*Pratylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Stunt nematodes (*Tylenchorhynchus species*)

***Catharanthus roseus***

**Common Names:** Madagascar Periwinkle

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Macrophoma species*, *Phomopsis species*)

Wilt (*Botryodiplodia species*, *Fusarium species*)

Root rot (*Fusarium solani* )

**Pests:**

Aphids (Aphididae)

Thrips (*Thrips hawaiiensis*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Root knot nematodes (*Meloidogyne species*)

***Celosia species* (*Celosia argenta* L., *Celosia argenta* var. *cristata*, *Celosia argenta* var. *plumosa*)**

**Common Names:** Feather Cockscomb, Red Spinach, Woolflowers

**Fungi:**

Leaf spots (*Alternaria species*, *Cercospora species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Fusarium species*, *Fusarium oxysporum*, *Fusarium solani*, *Gloeosporium species*, *Pestalotiopsis species*)

Stem rot (*Nodulisporium species*, *Pythium aphanidermatum*)

**Pests:**

Caterpillars (Pyralidae, Tortricidae)

Armyworms (Noctuidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

**Clerodendrum species** (*Clerodendrum buchananii*, *Clerodendrum bungei*, *Clerodendrum myricoides*, *Clerodendrum incisum*, *Clerodendrum paniculatum*, *Clerodendrum thomsoniae*)

**Common Names** : Java Glorybower, Glory Flower, Butterfly Bush, Pagoda Flower, Bleeding Heart Vine

**Fungi:**

Leaf spots (*Alternaria species*, *Cercospora volkameriae*, *Colletotrichum species*, *Colletotrichum capsici*, *Colletotrichum gloeosporioides*, *Fusarium species*, *Gloeosporium species*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*)

Twig dieback (*Phomopsis species*)

Stem rot (*Endophyllum superficiale*, *Fusarium species*)

Sooty mould (*Meliola rhizalensis*)

**Pests:**

Mealybugs (*Pseudococcidae*)

Whiteflies (*Aleyrodidae*)

Aphids (*Aphididae*)

Plant hoppers (*Flatidae*, *Cixiidae*)

Caterpillars (*Tortricidae*, *Gadirtha pulchra*, *Pyrilidae*, *Paralebeda species*, *Phyllocnistis species*, *Selepa discigera*)

Scales (*Diaspididae*, *Chloropulvinaria species*, *Adrama species*)

Shield bugs (*Achaea janata*, *Calliphara nobilis*)

Beetles (*Aeolesthes holosericea*)

**Nematodes:**

Lesion nematodes (*Pratylenchus species*)

Spiral nematodes (*Helicotylenchus species*)

Ring nematodes (*Criconemoides species*)

Stunt nematodes (*Tylenchorhynchus species*)

**Crinum species** (*Crinum amabile* Donn, *Crinum asiaticum* L., *Crinum thaianum* J. Schulze, *Crinum xanthophyllum*, *Crinum* cv. *Variegata*)

**Common Names:** Giant Spider Lily, Crinum Lily, Golden-Leaf Crinum, Golden Ray Lily

**Fungi:**

Leaf spots (*Cercospora crincola*, *Colletotrichum gloeosporioides*, *Macrophoma species*, *Nigrospora species*, *Botryodiplodia species*, *Curvularia species*)

**Bacteria:**

Necrotic streaks (*Pantoea species*)

**Pests:**

Armyworms (*Spodoptera species*)

Cutworms (*Noctuidae*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)



**Crossandra infundibuliformis****Common Names:** Firecracker Flower**Fungi:**Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium species*, *Macrophoma species*)**Pests:**

Aphids (Aphididae)

Beetles (Cassidinae, Chrysomelidae)

Mealybugs (Pseudococcidae)

Scales (*Saisettia species*)Whiteflies (*Bemisia tabaci*)**Gardenia species** (*Gardenia jasminoides* Ellis, *Gardenia scabrella* Puttock)**Common Names:** Cape Jasmine, Star Flower, Water Gardenia**Fungi:**Flower Rot (*Rhizopus species*)Leaf blotches (*Fusarium oxysporum*, *Pestalotiopsis species*, *Gloeosporium species*)Sooty mould (*Meliola species*)**Pests:**

Aphids (Aphididae)

Hoppers (Issidae)

Mealybugs (Pseudococcidae)

Scale (Coccidae, Diaspididae)

Whiteflies (Aleyrodidae)

Thrips (Thripidae)

Caterpillars (Coffee Hawkmoth)

**Nematodes:**Root knot nematodes (*Meloidogyne species*)**Helianthus species** (*Helianthus annuus* L., *Helianthus multiflorus* L.)**Common Names :** Common Sunflower**Fungi:**Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium species*, *Macrophoma species*, *Sclerotium rolfsii*, *Phomopsis species*)Vascular wilt (*Fusarium oxysporum*)**Pests:**Leaf miners (*Agromyza species*)Whiteflies (*Bemisia tabaci*)**Bacteria:**Leaf spots (*Pseudomonas cichorii*)

**Hibiscus species** (*Hibiscus cannabinus*, *Hibiscus chinensis* DC., *Hibiscus moscheutos* L., *Hibiscus mutabilis* L., *Hibiscus rosa-sinensis* L., *Hibiscus sabdariffa* L., *Hibiscus schizopetalus* Hook.f., *Hibiscus tiliaceus* L.)

**Common Names:** Hibiscus

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium species*, *Gloeosporium species*, *Macrophoma species*, *Phomopsis species*, *Pestalotiopsis species*)

Vascular wilt (*Fusarium oxysporum*)

**Pests:**

Leaf hoppers (*Amrasca biguttula*)

Whiteflies (*Aleyrodidae*, *Bemisia species*, *Bemisia tabaci*, *Singhius hibisci*, *Tetraleurodes species*)

Aphids (*Aphididae*)

Scales (*Diaspididae*, *Margarodidae*, *Coccidae*, *Ceroplastes rubens*, *Coccus hesperidum*, *Icerya seychellarum*, *Parasaissetia nigra*, *Pinnaspis strachani*, *Saissetia coffeae*)

Mealybugs (*Pseudococcidae*, *Crisicoccus chalepus*, *Maconellicoccus hirsutus*)

Caterpillars (*Tortricidae*, *Pyalidae*, *Acontia intersepta*, *Ambia poritialis*, *Decadarchis minuscula*, *Halitalodes species*, *Sylepta derogata*)

Bagworms (*Psychidae*)

Mites (*Eriophyes hibiscitillus*)

Beetles (*Erytus saundersi*)

**Virus:**

*Hibiscus chlorotic ringspot* Tombusvirus

*Hibiscus latent ringspot* Comovirus

*Tobacco mosaic* Tobamovirus

*Zucchini yellow mosaic* Potyvirus

**Hymenocallis species** (*Hymenocallis caribaea* Herb., *Hymenocallis littoralis* Salisb., *Hymenocallis speciosa* Salisb)

**Common names :** Beach Spider Lily, Spider Lily

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium species*, *Gloeosporium species*, *Macrophoma species*, *Phomopsis species*, *Pestalotiopsis species*, *Leptotryrium species*, *Colletotrichum capsici*)

Tip necrosis (*Pseudocercospora pancratii*, *Colletotrichum species*)

**Pests:**

Thrips (*Phlaeothripidae*, *Thripidae*)

Mealybugs (*Pseudococcidae*)

Spider mites (*Brevipalpus species*)

***Impatiens balsamina*****Common names :** Balsam, Garden Balsam, Touch-Me-Not**Fungi:**Leaf spots (*Cercospora balsamicola*, *Cercospora fulcushiana*, *Pseudocercospora balsaminicola*, *Phomopsis species*)Powdery mildew (*Sphaerotheca fuliginea*)**Pests:**

Caterpillars (Spingidae)

***Jasminum species*** (*Jasminum bifarium*, *Jasminum elongatum*, *Jasminum grandiflorum*, *Jasminum laurifolium*, *Jasminum multiflorum*, *Jasminum sambac*)**Common names :** Jasmine, Arabian Jasmine, Sambac**Fungi:**Leaf spots (*Macrophoma species*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Phomopsis species*)Bud rot (*Pestalotiopsis species*)**Pests:**Whiteflies (Aleyrodidae, *Bemisia species*, *Aleurodicus species*, *Bemisia tabaci*)

Beetles (Chrysomelidae)

Leaf hoppers (Cicadellidae)

Scales (Coccidae, Diaspididae )

Mealybugs (Pseudococcidae)

Caterpillars (*Psilogramma menephron*, Pyralidae, Tortricidae, Sphingidae)Bagworms (*Cremastopsycre species*)

Lace bugs (Tingidae)

**Nematodes :**Spiral nematodes (*Helicotylenchus species*)Stunt nematodes (*Tylenchorhynchus species*)Reniform nematode (*Rotylenchulus reniformis*)***Nymphaea odorata*****Common names :** Fragrant Water-Lily**Fungi:**Leaf spots (*Pseudocercospora species*)Vascular wilt (*Cylindrocladium species*)***Orthosiphon species*** (*Orthosiphon aristatus*, *Orthosiphon chrysanthus*, *Orthosiphon stamineus*)**Common names :** Cat's Whiskers**Fungi:**Leaf spots (*Colletotrichum gloeosporioides*, *Gloeosporium species*, *Macrophoma species*, *Curvularia species*, *Pestalotiopsis species*)Necrotic stem (*Phomopsis species*)

**Pests:**

Whiteflies (*Aleurodicus species*, Aleyrodidae, *Bemisia tabaci*)

Plant hoppers (Cercopidae)

Scales (Diaspididae)

Mealybugs (Pseudococcidae)

Caterpillars (Pyrilidae)

***Pachystachys species*** (*Pachystachys coccinea*, *Pachystachys lutea*)

**Common names :** Golden Shrimp Plant,  
Lollypops

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Phomopsis species*)

Stem rot (*Colletotrichum capsici*)

**Pests:**

Aphids (Aphididae)

Caterpillars (Pyrilidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)

***Pentas lanceolata***

**Common names :** Egyptian Star Cluster, Star  
Flower

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Phomopsis species*)

Tip necrosis (*Cercospora species*)

**Pests:**

Mealybugs (Pseudococcidae)

Scales (Diaspididae, Margarodidae)

Thrips (Phlaeothripidae)

**Nematodes :**

Rootknot nematodes (*Meloidogyne incognita*)

***Plumeria species*** (*Plumeria obtusa*, *Plumeria pudica*, *Plumeria rubra* cvs. 'Dark Pink',  
'White', *Plumeria rubra* f. *acutifolia*)

**Common names :** Frangipani

**Fungi:**

Leaf spots (*Cercospora species*, *Coleosporium plumeriae*, *Colletotrichum gloeosporioides*,  
*Gloeosporium species*, *Phomopsis species*, *Pseudocercospora species*, *Pseudocercospora*  
*plumeriae*, *Pseudocercospora plumeriifolii*, *Puccinia species*, *Uromyces species*)

Sooty mould (*Microxyphium columnatum*)

**Pests:**

Mealybugs (Pseudococcidae)

Whiteflies (*Aleurodicus dispersus*, Aleyrodidae)

Scales (Coccidae, Diaspididae, Margarodidae)

Beetles (Cassidinae)

Thrips (Thripidae)

**Nematodes:**

Lesion nematodes (*Pratylenchus species*)

Spiral nematodes (*Helicotylenchus species*)

Stunt nematodes (*Tylenchorhynchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Needle nematodes (*Longidorus species*)



**Rosa species** (*Rosa centifolia* L., *Rosa chinensis*)

Common Names : Rose

**Fungi:**

Leaf spots (*Alternaria alternata*, *Beltrania species*, *Macrophoma rosae*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Colletotrichum capsici*, *Diplocarpon rosae*, *Pseudocercospora puderi*)

**Pests:**

Caterpillars (*Achaea janata* L.)  
Scales (Margarodidae)  
Bagworms (Psychidae)  
Spider mites (*Tetranychus species*, *Tetranychus telarius*)  
Thrips (Thripidae)  
Whiteflies (*Aleurodicus species*)

**Nematodes:**

Lesion nematodes (*Pratylenchus species*)  
Spiral nematodes (*Helicotylenchus species*)  
Stunt nematodes (*Tylenchorhynchus species*)

**Saintpaulia ionantha**

Common Names : African Violet

**Fungi:**

Leaf spots (*Corynespora species*)  
Soft rot (*Fusarium species*)

**Pests:**

Mealybugs (*Planococcus lilacinus*)

**Sinningia speciosa**

Common Names : Gloxinia

**Fungi:**

Leaf spots (*Colletotrichum species*, *Fusarium species*, *Curvularia species*, *Phomopsis species*)  
Vascular wilt (*Phytophthora species*)

**Spathiphyllum species** (*Spathiphyllum cannifolium*, *Spathiphyllum* cv. 'Petite', 'Sensation', *Spathiphyllum wallisii*)

Common Names : Peace Lily

**Fungi:**

Leaf spots (*Cercospora species*, *Colletotrichum capsici*, *Colletotrichum gloeosporioides*, *Pestalotiopsis species*, *Fusarium species*, *Cylindrocladium species*, *Phomopsis species*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*, Tobacco mosaic Tobamovirus)

**Pests:**

Caterpillars (Tortricidae)  
Whiteflies (Aleyrodidae)  
Mealybugs (Pseudococcidae)  
Fruit flies (*Bactrocera species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

**Tagetes species** (*Tagetes erecta*, *Tagetes patula*)

**Common Names :** Mexican Marigold

**Fungi:**

Leaf spots (*Pestalotia species*)

Vascular wilt (*Fusarium oxysporum*)

**Pests:**

Leafminers (Agromyzidae)

**Wrightia species** (*Wrightia antidysenterica* R.Br., *Wrightia religiosa* Benth. ex. Kurz)

**Common Names :** Wild Water Plum, Wrightia

**Fungi:**

Leaf spots (*Cercospora species*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Macrophoma rosae*, *Phoma species*, *Pseudocercospora wrightiae*)

**Pests:**

Scales (Coccidae, Diaspididae)

Mealybugs (Pseudococcidae, *Rastrococcus species*)

**Nematodes:**

Ring nematodes (*Discocriconemella limitanea*)

Spiral nematodes (*Helicotylenchus species*)

Stunt nematodes (*Tylenchorhynchus species*)

**Zinnia species** (*Zinnia angustifolia*, *Zinnia elegans*, *Zoysia tenuifolia*)

**Common Names :** Zinnia

**Fungi:**

Leaf spots (*Colletotrichum capsici*, *Colletotrichum gloeosporioides*)

Necrosis (*Colletotrichum gloeosporioides*, *Phomopsis species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

# The Diseases and Pests

## V. Foliages

**Aglaonema species** (*Aglaonema commutatum*, *Aglaonema* Hybrid, *Aglaonema modestum*, *Aglaonema nitidum*, *Aglaonema nitidum* cv. Silver Queen)

**Common Names :** Chinese Evergreen, Pewter, Painted Drop-Tongue, Burmese Evergreen, Oblong-Leaved Aglaonema, Daun Lidah

**Fungi :**

Leaf spots (*Colletotrichum gloeosporioides*, *Pseudocercospora species*, *Gloeosporium species*, *Colletotrichum capsici*, *Phomopsis species*, *Phytophthora species*, *Tetraploa species*)

Browning, brown raised leaf spots (*Fusarium oxysporum*)

Stem rot (*Fusarium solani*)

Necrotic leaf tips (*Cercospora species*, *Fusarium species*)

Root rot (*Botryodiplodia species*)

**Pests:**

Fruitflies (*Bactrocera species*)

Scales (Diaspididae)

**Bacteria :**

Brown necrotic leaf spots & blotches (*Pantoea agglomerans*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Lesion nematodes (*Pratylenchus species*)

**Alocasia species** (*Alocasia macrorrhizos*, *Alocasia* cv. Amazonica)

**Common Name :** Elephant's ear & Amazon Elephant's Ear

**Fungi :**

Leaf spots (*Cercospora species*, *Gloeosporium species*, *Colletotrichum gloeosporioides*, *Macrophoma species*, *Nigrospora species*, *Phomopsis species*)

**Pests:**

Red spider mites (*Tetranychus species*, Tetranychidae)

Whitefly (Aleyrodidae)

Aphids (Aphididae)

Mealybugs (Pseudococcidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Root knot nematodes (*Meloidogyne species*)

Stunt nematodes (*Tylenchorhynchus species*)

**Alpinia species** (*Alpinia purpurata*, *Alpinia vittata*, *Alpinia zerumbet*)

**Common Name:** Greater Galangal, Alpinia, Red Ginger, Tepus

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Curvularia species*, *Macrophoma species*, *Pestalotiopsis species*, *Gloeosporium species*, *Phomopsis species*)

**Pests:**

Aphids (Aphididae)  
Lace bug (Tingidae)  
Leaf beetle (Chrysomelidae, Hispinae)  
Scale (Diaspididae)  
Hispid beetle (*Gonophora species*)  
Caterpillar (Hesperiidae)  
Bagworm (Psychidae)  
Mealybugs (Pseudococcidae)

**Nematodes:**

Foliar nematodes (*Aphelenchoides species*)  
Spiral nematodes (*Helicotylenchus species*)  
Root knot nematodes (*Meloidogyne species*)  
Reniform nematode (*Rotylenchulus reniformis*)  
Stunt nematodes (*Tylenchorhynchus species*)  
Dagger nematodes (*Xiphinema species*)

**Caladium species**

**Common Name:** Angel Wings, Caladium

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Phomopsis species*)  
Soft rot (*Curvularia species*, *Macrophoma species*)

**Pests:**

Caterpillars (*Hippotion celerio*, *Theretra oldenlandiae*)

**Calathea species** (*Calathea crocata*, *Calathea insignis*, *Calathea lancifolia*, *Calathea loeseneri*, *Calathea lutea*, *Calathea makoyana*, *Calathea picturata*, *Calathea roseopicta*, *Calathea zebrina*)

**Common Name:** Eternal Flame, Peacock Plant, Calathea, Zebra Plant)

**Fungi:**

Leaf spots (*Alternaria species*, *Cercospora calathea*, *Colletotrichum species*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Fusarium species*, *Gloeosporium species*, *Macrophoma species*, *Glomerella species*, *Pestalotiopsis species*, *Uredo species*, )

**Bacteria:**

Leaf spots (*Pantoea dispersa*)

**Pests:**

Scales (Diaspididae)  
Bagworms (Psychidae)  
Mealybugs (Pseudococcidae)

**Nematodes :**

Spiral nematodes (*Helicotylenchus species*)  
Lesion nematodes (*Pratylenchus species*)



**Codiaeum variegatum****Common Name:** Croton**Fungi:**Leaf spots (*Cercospora species*, *Geotrichum species*, *Colletotrichum gloeosporioides*)Stem dieback (*Phomopsis species*)**Pests:**

Whiteflies (Aleyrodidae)

Mealybugs (Pseudococcidae)

Scales (Margarodidae, Diaspididae )

**Nematodes:**Spiral nematodes (*Helicotylenchus species*)Lesion nematodes (*Pratylenchus species*)Stunt nematodes (*Tylenchorhynchus species*)**Colocasia esculenta****Common Name:** Elephant's Ear, Keladi, Taro, Yam**Fungi:**Leaf spots (*Cercospora species*, *Colletotrichum gloeosporioides*, *Pestalotiopsis species*, *Pseudocercospora species*, *Pseudocercospora species*, *Alternaria species*, *Cladosporium species*, *Gloeosporium species*)Vascular wilt (*Fusarium solani*)**Pests;**

Aphids (Aphididae)

Caterpillars (*Panacra mydon*, *Thereatra pinastrina* )**Dieffenbachia species** (*Dieffenbachia amoena* Hort. ex Gentil, *Dieffenbachia kiki*)**Common Name :** Dumb Cane, Kiki Evergreen**Fungi:**Leaf spots/anthracnose ( *Colletotrichum gloeosporioides*, *Fusarium oxysporum*, *Pestalotiopsis species*, *Curvularia spp.*, *Botryodiplodia spp.*)**Nematodes:**Stunt nematodes (*Tylenchorhynchus species*)Burrow neamtodes (*Radopholus species*)Pin nematodes (*Paratylenchus species*)

**Draceana species** (*Dracaena compacta* Hort. ex Baker, *Dracaena deremensis* Engl., *Draceana draco* L., *Dracaena fragrans* (L.) Ker-Gawl, *Dracaena hookeriana* C. Koch, *Dracaena lousei* Gagnep., *Dracaena marginata* Lam. cvs. Bicolor, Colorama, Tricolor; *Draceana reflexa* Lam., *Dracaena sanderiana* Hort. Sander. ex M.T.Mast., *Dracaena surculosa* Lindl.)

**Common Name :** Canary Islands Dragon Tree, Iron Plant

**Fungi:**

Leaf spots (*Alternaria species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Pestalotiopsis species*, *Pseudocercospora species*, *Gloeosporium species*, *Corynespora cassicola*, *Glomerella species*)

Leaf yellowing (*Fusarium oxysporum* )

**Bacteria:**

Leaf spots (*Erwinia herbicola* )

**Virus:**

Tomato spotted wilt *Tospovirus*

Cucumber mosaic *Cucumovirus*

**Pests:**

Scales (*Aonidiella species*, Diaspididae , *Pseudaulacaspis species*, Coccidae, *Hemiberlesia species*)

Bagworms (Psychidae, *Mahasena species*)

Leaf beetles (Chrysomelidae)

Mealybugs (Pseudococcidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Lesion nematodes (*Pratylenchus species*)

Stunt nematodes (*Tylenchorhynchus species*)

**Maranta spp.** (*Maranta arundinacea* L. cv. 'Variegata'; *Maranta leuconeura* E.Morren)

**Common Name :** Arrow Root, Prayer Plant

**Fungi:**

Leaf soft rot/necrotic edges (*Pestalotiopsis species*, *Phomopsis species*, *Collectotrichum species*, *Phytophthora species*, *Macrophoma species*, *Gloeosporium species*)

**Philodendron species** (*Philodendron* 'Anderson Red', *Philodendron erubescens* K.Koch & Augustin, cvs Gold, Imperial Green; Yellow; *Philodendron selloum* K.Koch, *Philodendron xanadu* Croat, Mayo & J.Boos)

**Common Name :** Blushing Philodendron

**Fungi:**

Leaf spots (*Alternaria species*, *Cercospora species*, *Colletotrichum gloeosporioides*, *Colletotrichum capsici*, *Cylindrocladium species*, *Gloeosporium species*, *Glomerella species*, *Pestalotiopsis species*, *Pseudocercospora species*, )

**Pests:**

Mealybugs (Pseudococcidae)

Whiteflies (Aleyrodidae)

Bagworms (Psychidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

**Sansevieria species** (*Sansevieria cylindrica* Bojer, *Sansevieria* cv. 'Ivory', King; *Sansevieria speciosa*, *Sansevieria superba*, *Sansevieria trifasciata* Prain, *Sansevieria trifasciata* cvs. Laurenti', 'Moonshine')

**Common Name :** Bowsring-Hemp, Mother-In-Law's Tongue, Snake Plant, Spear Plant, Variegated Snake Plant

**Fungi:**

Leaf necrotic tips (*Fusarium species*)

Leaf spots/Anthracnose (*Collectrichum gloesporioides*, *Collectotrichum capsici*, *Fusarium oxysporum*, *Fusarium moniliforme*, *Phytophthora species*, *Macrophoma species*, *Phomopsis species*)

**Bacteria:**

Leaf spots (*Erwinia herbicola* )

Soft Rot (*Pectobacterium cypripedii* )

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Lesion nematodes (*Pratylenchus species*)

**Syngonium podophyllum**

**Common Name :** Arrowhead Plant

**Fungi:**

Leaf spots/Anthracnose (*Collectrichum gloesporioides*, *Collectotrichum capsici*, *Fusarium oxysporum*, *Fusarium solani*, *Macrophoma species*, *Pestalotiopsis species*)

Leaf edge patches (*Cladosporium species*, *Fusarium oxysporum*)

Concentric ring spot (*Colletotrichum species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

# The Diseases and Pests

## VI. Ground Covers & Grasses

### *Arachis pinto*

**Common Names:** Pinto Peanut, Yellow Peanut Plant

**Fungi:**

Leaf spots (*Colletotrichum capsici*, *Gloeosporium species*, *Phomopsis species*)  
Sclerotium Rot (*Sclerotium rolfsii*)

### *Axonopus compressus*

**Common Names:** Cow Grass, Rumpup Parit, Tropical Carpet Grass, Wide-Leaved Carpet Grass,

**Fungi:**

Leaf spots (*Colletotrichum capsici*, *Colletotrichum gloeosporioides*, *Curvularia species*, *Drechslera species*, *Fusarium oxysporum*, *Fusarium solani*, *Helminthosporium species*, *Macrophoma species*, *Nattrassia species*, *Neurospora species*, *Phomopsis species*, *Phytophthora species*, *Pythium species*, *Rhizoctonia solani*)

**Phytoplasma:**

Streaking & Stunting (*Brachiaria White Leaf Phytoplasma*)

**Nematodes:**

Foliar nematodes (*Aphelenchoides species*)  
Ring nematodes (*Criconemoides species*)  
Spiral nematodes (*Helicotylenchus species*)  
Lance nematode (*Hoplolaimus species*)  
Root Knot nematodes (*Meloidogyne species*)  
Lesion nematodes (*Pratylenchus species*)  
Burrowing nematode (*Radopholus similis*)  
Reniform nematode (*Rotylenchulus reniformis*)  
Stunt nematodes (*Tylenchorhynchus species*)  
Dagger nematodes (*Xiphinema species*)

### *Cuphea hyssopifolia*

**Common Names:** False Heather

**Fungi:**

Necrotic stem (*Colletotrichum species*, *Pentalotipis species*, *Phomopsis species*)  
Leaf spots (*Colletotrichum gloeosporioides*)  
Defoliation (*Fusarium species*)

**Nematode:**

Spiral nematodes (*Helicotylenchus species*)



## ***Cynodon dactylon***

**Common Names:** Bahama Grass, Bermuda Tiff Dwarf, Couch, Doob, Dub Grass, Kweek, Star Grass, Rumpu, Minyak

### **Fungi:**

Leaf spots (*Colletotrichum graminicola*, *Curvularia species*, *Nigrospora species*, *Rhizoctonia species*)

Necrotic patches (*Alternaria species*, *Choanephora species*, *Colletotrichum species*, *Exserolium species*, *Fusarium oxysporum*, *Helminthosporium species*)

Wilt (*Dreschlera species*, *Pythium species*)

Stunted growth (*Rhizoctonia species*)

### **Phytoplasma:**

Leaf bleaching (*Candidatus Phytoplasma Cynodontis*)

### **Nematodes:**

Ring nematodes (*Criconeimoides species*)

Spiral nematodes (*Helicotylenchus species*)

False-Sheath nematodes (*Hemicriconeimoides species*)

Lance nematodes (*Hoplolaimus species*)

Rice root knot nematode (*Meloidogyne graminicola*)

Lesion nematodes (*Pratylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Stunt nematodes (*Tylenchorhynchus species*)

Dagger nematode (*Xiphinema species*)

***Ophiopogon species*** (*Ophioglossum pendulum* L., *Ophiopogon jaburan* Lodd., *Ophiopogon japonicus* 'Kyoto Dwarf')

**Common Names:** Lily Turf, Mondo Grass, Kyoto Grass

### **Fungi:**

Leaf spots (*Cladosporium species*, *Corynespora species*, *Helminthosporium species*)

Leaf yellowing and necrosis (*Aspergillus species*, *Colletotrichum gloeosporioides*, *Culvularia species*, *Fusarium oxysporum*, *Glomerella species*, *Macrophoma species*, *Penicillium species*, *Rhizopus species*)

Wilt (*Colletotrichum species*, *Culvularia species*, *Fusarium oxysporum*, *Fusarium solani*, *Pythium species*, *Rhizoctonia species*)

Leaf tip die-back (*Colletotrichum gloeosporioides*, *Penicillium species*)

Basal rot (*Fusarium species*, *Rhizopus species*)

### **Pests:**

Scales (*Pulvinaria species*, Diaspididae)

Mealy bugs (Pseudococcidae)

### **Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Lance nematodes (*Hoplolaimus species*)

Lesion nematodes (*Pratylenchus species*)

Burrowing nematode (*Radopholus similis*)

Reniform nematode (*Rotylenchulus reniformis*)

Stunt nematodes (*Tylenchorhynchus species*)

Dagger nematode (*Xiphinema species*)

***Paspalum species*** (*Paspalum conjugatum*, *Paspalum vaginatum* Elliott)

**Common Names:** Bahia Grass, Sea Isle Supreme Paspalum, Seahorse Paspalum

**Fungi:**

Leaf spots (*Curvularia species*, *Rhizoctonia solani*)

Necrotic patches (*Curvularia species*, *Fusarium species*, *Rhizoctonia species*, *Phytophthora species*, *Pythium species*, *Trichoderma species*)

**Bacteria:**

*Erwinia herbicola*

**Phytoplasma:**

Leaf bleaching (*Candidatus Phytoplasma Cynodontis*)

**Nematodes:**

Ring nematodes (*Criconeimoides species*)

Spiral nematodes (*Helicotylenchus species*)

False-Sheath nematodes (*Hemicriconeimoides species*)

Lance nematodes (*Hoplolaimus species*)

Lesion nematodes (*Pratylenchus species*)

Burrowing nematode (*Radopholus similis*)

Reniform nematodes (*Rotylenchulus species*)

Dagger nematodes (*Xiphinema species*)

***Tradescantia spathacea***

**Common Names:** Boat Lily, Mosses-in-Cradle, Oyster Plant

**Fungi:**

Leaf spots (*Colletotrichum species*, *Pseudocercospora rhinacanthi*, *Penicillium species*, *Sclerotium species*)

Water-soaked leaves (*Botryodiplodia species*, *Colletotrichum gloeosporioides*, *Fusarium species*)

Leaf soft rot (*Fusarium species*, *Cladosporium species*, *Colletotrichum gloeosporioides*, *Macrophoma species*, *Phomopsis species*, *Trichoderma species*)

Stem/Basal rot (*Fusarium moniliforme*, *Fusarium solani*, *Phytophthora species*, *Colletotrichum capsici*, *Colletotrichum species*)

Wilt (*Gloeosporium species*)

***Zephyranthes species*** (*Zephyranthes candida* Herb., *Zephyranthes grandiflora* Lindl., *Zephyranthes rosea* Lindl.)

**Common Names:** Fairy Lily, Westwing Flower, Rain Lily

**Fungi:**

Leaf spots (*Colletotrichum capsici*, *Colletotrichum gloeosporioides*, *Culvularia species*,

**Pests:**

Caterpillar (Pyralidae)

**Nematodes:**

Ring nematodes (*Criconemoides species*)

Spiral nematodes (*Helicotylenchus species*)

False-Sheath nematodes (*Hemicriconemoides species*)

Lance nematodes (*Hoplolaimus species*)

Rice root knot nematode (*Meloidogyne graminicola*)

Root knot nematode (*Meloidogyne species*)

Lesion nematodes (*Pratylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Stunt nematodes (*Tylenchorhynchus species*)

Dagger nematodes (*Xiphinema species*)

Stubby-root nematodes (*Trichodorus species*)

Needle nematodes (*Longidorus species*)

# The Diseases and Pests

## VII. Ferns

### *Angiopteris evecta*

**Common Name:** Elephant Fern, Paku Gajah, Turnip Fern

**Fungi:**

Water-soaked leaves & stems (*Colletotrichum gleosporoides*, *Glomerella species*, *Pestalotiopsis species*, *Phomopsis species*)

Tip die back (*Botryodiplodia species*)

Rot with white mycelia (*Fusarium species*)

Brown necrotic patches (*Guignardia species*, *Macrophoma species*)

### *Asparagus densiflorus*

**Common Name:** Asparagus Fern

**Fungi:**

Leaf yellowing (*Colletotrichum gloeosporioides*, *Fusarium solani*, *Macrophoma species*, *Fusarium moniliforme*)

Necrotic spots on stems (*Fusarium oxysporum*)

Dieback (*Phomopsis species*)

### *Asplenium nidus*

**Common Name:** Bird Nest Fern

**Fungi:**

Leaf blotches (*Alternaria species*, *Botryodiplodia species*, *Cercospora aspidospermatis*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Curvularia species*, *Cylindrocladium species*, *Fusarium species*, *Phomopsis species*, *Pseudocercospora species*, *Cladosporium species*)

**Pests:**

Planthopper (Flatidae)

Scales (Diaspididae)

### *Blechnum gibbum*

**Common Names:** Palm fern

**Fungi:**

Leaf spots/blotches (*Colletotrichum species*, *Curvularia species*, *Macrophoma species*, *Phomopsis species*)



**Cyathea species** [*Cyathea arborea* (L.) Sm., *Cyathea cooperi* (F.Muell.) Domin, *Cyathea latebrosa* (Wall. ex Hook.)]

**Common Names:** Caribbean Tree Fern, Australian Tree Fern, Tree Fern

**Fungi:**

Leaf tip bronzing/yellowing (*Pestalotiopsis species*, *Gloeosporium species*, *Phomopsis species*)

Leaf spots/blotches (*Curvularia species*, *Macrophoma species*, *Colletotrichum species*)

**Pests:**

Scales (*Ceroplastes species*)

**Davallia denticulata**

**Common Names:** Rabbit's Foot Fern

**Fungi:**

Necrotic leaf spots/patches (*Colletotrichum gloeosporioides*, *Colletotrichum species*, *Macrophoma species*, *Phomopsis species*, *Pseudocercospora species*, *Trichoderma species*)

Vein necrosis (*Cercospora species*, *Corynespora species*, *Fusarium oxysporum*)

Leaf streak (*Pestalotiopsis species*)

**Pests:**

Bagworm (Psychidae)

**Nematode:**

Lesion nematodes (*Pratylenchus species*)

**Dynaria querciflora**

**Common Names:** Oak Leaf Fern

**Fungi:**

Necrotic leaf edges (*Alternaria species*, *Cercospora species*)

Leaf blotches (*Colletotrichum gloeosporioides*)

**Pests:**

Scale (Diaspididae)

Leaf miner (*Dicladispa species*)

Mealybug (Pseudococcidae)

**Microsorium punctatum**

**Common Names:** Walt Fern, Fish-tail Fern

**Fungi:**

Leaf spots/blotches (*Colletotrichum gloeosporioides*, *Gloeosporium species*, *Fusarium species*)

Leaf yellowing (*Colletotrichum species*)

Leaf rot (*Colletotrichum capsici*)

***Nephrolepis species*** [*Nephrolepis acutifolia* (Desv.) Christ, *Nephrolepis biserrata* (Sw.) Schott, *Nephrolepis exaltata* (L.) Schott]

**Common Names:** Giant Sword Fern, Boston Fern, Fish-tail Fern

**Fungi:**

Leaf spots (*Cercospora species*, *Colletotrichum gloeosporioides*, *Colletotrichum species*, *Culvularia species*, *Gloeosporium species*, *Glomorella species*, *Macrophoma species*, *Pestalotiopsis species*, *Phomopsis species*, *Pseudocercospora species*)

Brown necrotic blotches (*Pseudocercospora phyllitidis*)

**Pests:**

Leaf miner (Gracillariidae)

Mites (Eriophyidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Dagger nematodes (*Xiphinema species*)

***Platycerium species*** [*Platycerium coronarium* (Konig) Desv., *Platycerium wallichii*]

**Common Names:** Crown Stag Horn, Stag's Horn Fern

**Fungi:**

Leaf spots/blotches (*Cercospora platycerii*, *Cladosporium species*, *Colletotrichum species*, *Phomopsis species*, *Rhizopus species*, *Fusarium species*, *Pseudocercospora species*)

Frog's eye spot (*Phomopsis species*)

Wilt (*Phytophthora species*)

**Pests:**

Leaf miner (Gracillariidae)

Mites (Eriophyidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Dagger nematodes (*Xiphinema species*)

***Selaginella species*** [*Selaginella kraussiana* (Kunze) A.Braun, *Selaginella* 'Red', *Selaginella willdenowii* (Desv. ex Poir.)]

**Common Names:** Selaginella Spikemoss, Blue Club Moss

**Fungi:**

Leaf spots (*Colletotrichum gloeosporioides*, *Cladosporium species*)

Necrotic tip (*Colletotrichum gloeosporioides*, *Phomopsis species*, *Rhizopus species*)

Leaf variegation (*Fusarium species*, *Gloeosporium species*)

Leaf blight (*Trichoderma species*)

**Pests:**

Planthoppers (Flatidae)

**Nematodes:**

Stunt nematodes (*Tylenchorhynchus species*)

# The Diseases and Pests

## VIII. Cacti and Succulents

### *Agave angustifolia*

**Common Names:** Caribbean Agave

**Fungi :**

Leaf spots (*Colletotrichum gloeosporioides*, *Fusarium species*, *Cercospora species*)

Marginal rot (*Colletotrichum species*, *Curvularia species*, *Fusarium species*)

### *Aloe vera*

**Common Names:** Barbados Aloe, Medicinal Aloe

**Fungi :**

Leaf spots (*Botryodiplodia species*, *Colletotrichum gloeosporioides*, *Fusarium species*)

Tips dieback (*Fusarium dimerum*)

**Bacteria :**

Soft rot (*Enterobacter aerogenes*)

### *Cactus grandiflorus*

**Common Names :** Cerus Cactus

**Fungi:**

Canker (*Alternaria species*, *Colletotrichum gloeosporioides*, *Phomopsis species*)

Basal dry rot (*Colletotrichum gloeosporioides*, *Fusarium moniliforme*, *Fusarium oxysporum*, *Fusarium solani*)

**Pests:**

Scales (Diaspididae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Root knot nematodes (*Meloidogyne species*)

Reniform nematodes (*Rotylenchulus reniformis*)

Stunt nematodes (*Tylenchorhynchus species*)

### *Crassula species*

**Common Names :** Jade Plant

**Fungi:**

Leaf spots/blotches (*Colletotrichum capsici*, *Colletotrichum gloeosporioides*, *Macrophoma species*)

Soft rot (*Fusarium species*)

**Pests:**

Mealy bug (*Pseudococcus longispinus*)

**Nematodes:**

Lesion nematodes (*Pratylenchus species*)

***Furcraea foetida*****Common Names :** Mauritius Hemp**Fungi:**

Leaf spots (*Fusarium oxysporum*, *Fusarium solani*)  
 Rot (*Colletotrichum* species)

**Bacteria:**

Soft Rot (*Erwinia carotovora*)

**Pests:**

Mealybug (Pseudococcidae)  
 Scale (Diaspididae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus* species)  
 Lesion nematodes (*Pratylenchus* species)  
 Reniform nematode (*Rotylenchulus reniformis*)

***Guzmania species*** (*Guzmania* cv. 'Jazz', 'Tempo', *Guzmania lingulata*)**Common Names :** Guzmania**Fungi:**

Leaf spot/blotches (*Colletotrichum* species, *Alternaria* species)  
 Necrotic edges (*Colletotrichum gloeosporioides*, *Colletotrichum* species, *Pestalotiopsis* species)

**Nematodes:**

Spiral nematodes (*Helicotylenchus* species)

***Jatropha species*** (*Jatropha humboldtiana* , *Jatropha integerrima* , *Jatropha podagrica*)**Common Names:** Peregrina Rose Flowered Jatropha, Spicy Jatropha, Shanghai Beauty, Gout Stick, Guatamelan Rhubarb, Tartoga, Jatropha**Fungi:**

Leaf spot (*Colletotrichum gloeosporioides*, *Colletotrichum* species, *Pestalotiopsis* species, *Cercospora* species, *Gloeosporium* species)  
 Leaf curl (*Colletotrichum* species)  
 Tip dieback (*Pestalotiopsis* species, *Phomopsis* species)  
 Sun scorch (*Penicillium* species)

**Algae:**

*Cephaleuros* species

**Pests:**

Scale (Diaspididae, Margaroridae)  
 Whitefly (*Aleurodicus* species, *Bemisia tabaci*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus* species)  
 Stunt nematodes (*Tylenchorhynchus* species)

Mealybug (Pseudococcidae)  
 Planthopper (Flatidae)  
 Aphid (Aphididae)

Lesion nematodes (*Pratylenchus* species)

***Kalanchoe blossfeldiana*****Common Names :** Flaming Katie, Widow's Thrill**Fungi:**

Leaf soft rot (*Fusarium* species, *Colletotrichum gloeosporioides*, *Colletotrichum capsici*, *Cladosporium* species)

**Bacteria:**

Spots (*Enterobacter aerogenes*)



Wilt (*Fusarium species*)  
Tip dieback (*Colletotrichum species*, *Phomopsis species*)

**Pests:**

Mealybug (*Pseudococcidae*)  
Scale (*Diaspididae*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)  
Lesion nematodes (*Pratylenchus species*)  
Reniform nematode (*Rotylenchulus reniformis*)  
Root-knot nematode (*Meloidogyne species*)

***Opuntia species*** [*Opuntia ficus-indica* (L.) Mill., *Opuntia microdasys* Pfeiff, *Opuntia robusta* Pfeiff.])

**Common Names:** Indian Fig Opuntia, Wheel Cactus, Polka Dot cactus

**Fungi:**

Leaf spots (*Phomopsis species*, *Colletotrichum species*, *Cladosporium species*)

Scab (*Phomopsis species*)  
Soft rot (*Colletotrichum species*, *Alternaria species*)  
Papery patches (*Pestalotiopsis species*, *Curvularia species*)

***Peperomia species*** (*Peperomia pellucida*, *Peperomia scandens*)

**Common Names :** Peperomia Radiator Plant

**Fungi:**

Leaf spots (*Cladosporium species*, *Gloeosporium species*)  
Leaf tip Burn (*Colletotrichum gloeosporioides*)

**Virus:**

Yellow Veination (*Ageratum Yellow Vein Geminivirus*)

**Pests:**

Whitefly (*Aleurodicus species*, *Aleyrodidae*)  
Scales (*Diaspididae*, *Margarodidae*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus dihystra*)

***Yucca species*** (*Yucca aloifolia* L.cv. *Variegata*; *Yucca elephantipes*)

**Common Names:** Yucca, Spanish Dagger, Palm Lily, Mound Lily

**Fungi:**

Leaf spots (*Cercospora species*, *Cladosporium species*, *Colletotrichum gleosporoides*, *Fusarium species*, *Helminthosporium species*, *Rhizopus species*, *Curvularia species*, *Macrophoma species*, *Phomopsis species*)  
Leaf patches (*Colletotrichum species*, *Epicoccum species*)

**Pests:**

Scales (*Diaspididae*, *Coccidae*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)  
Reniform nematodes (*Rotylenchulus reniformis*)

# The Diseases and Pests

## IX. Climbers

### **Argyreia nervosa**

**Common Names:** Elephant Climber

**Fungi:**

Necrotic patches (*Colletotrichum gloeosporioides*, *Phomopsis species*)

Leaf yellowing (*Phomopsis species*)

Twig dieback (*Colletotrichum gloeosporioides*)

**Pests:**

Scales (Diaspididae)

Whiteflies (*Aleurodicus species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Lesion nematodes (*Pratylenchus species*)

### **Bauhinia kockiana**

**Common Names:** Kock's Bauhinia

**Fungi:**

Twig dieback (*Botryodiplodia species*, *Fusarium species*)

Leaf spots (*Cercospora species*, *Colletotrichum gloeosporioides*, *Corynespora species*, *Macrophoma species*, *Phoma species*, *Pestalotiopsis species*, *Phomopsis species*)

**Pests:**

Mealybugs (Pseudococcidae)

Bagworms (Psychidae)

Caterpillar (Tortricidae)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Root knot nematodes (*Meloidogyne species*)

### **Epipremnum species** (*Epipremnum aureum*, *Epipremnum pinnata*)

**Common Names:** Devil's Ivy, Golden Pothos, Money Plant, Dragon tail Plant

**Fungi:**

Leaf spots/necrosis (*Fusarium species*, *Colletotrichum gloeosporioides*, *Phomopsis species*, *Macrophoma species*, *Trichoderma species*, *Cladosporium species*, *Phytophthora species*, *Penicillium species*)

Water-soaked tips (*Macrophoma species*, *Penicillium species*)

**Pest:**

Planthopper (Flatidae)

Leafminer (Gracillariidae)

Mealybugs (Pseudococcidae)

***Episcia cupreata*****Common Names:** Flame Violet**Fungi:**Leaf spots (*Colletotrichum species*, *Macrophoma species*)**Bacteria:**Leaf Spots (*Pseudomonas cichorii*)***Ficus pumila*****Common Names:** Creeping Fig**Fungi:**Leaf spots (*Cladosporium species*, *Colletotrichum species*, *Phomopsis species*, *Gloeosporium species*)**Pests:**

Whitefly (Aleyrodidae)

Labybird (Coccinellidae)

Mealybugs (Pseudococcidae)

Scale (Diaspididae)

**Nematode:**Spiral nematode (*Helicotylenchus species*)***Hoya species*****Common Names:** Wax plant**Fungi:**Necrotic edges (*Botryodiplodia species*, *Colletotrichum gloeosporioides*)**Pests:**

Thrips (Thripidae)

***Ipomoea species*** (*Ipomoea indica*, *Ipomoea leptophylla*, *Ipomoea nil*, *Ipomoea pes-caprae*, *Ipomoea purpurea*, *Ipomoea tricolor*)**Common Names:** Oceanblue Morning Glory, Blue Morning Glory, Koali Awa, Blue Dawn Flower, Beach Morning Glory, Goat's Foot, Sea Morning Glory, Bush Morning Glory, Tapak Kuda**Fungi:**Leaf spots (*Gloeosporium species*, *Colletotrichum species*, *Colletotrichum gloeosporioides*, *Phomopsis species*, *Macrophoma species*)Sooty mould (*Meliola species*)Frog's eye spot (*Colletotrichum gloeosporioides*)**Virus:**Mosaic (*Cucumber Mosaic Cucumovirus*)**Pests:**Whitefly (*Aleurodicus species*, *Bemisia tabaci*, Aleyrodidae)Beetle (*Aspidomorpha miliaris*, Chysomelidae, Cassisinae)

Mites (Eriophyridae)

Scale (Coccidae)

Caterpillar (Pyrilidae, Pyraustidae, Sphingidae, Tortricidae, Saturniidae, Gelechiidae)

Armyworm (Noctuidae)

***Ipomoea quamoclit***

**Common Names:** Cypress Vine, Cardinal Climber, Star Glory

**Nematode:**

Stunt nematodes (*Tylenchorhynchus species*)

***Lonicera japonica***

**Common Names:** Golden and Silver Flower, Japanese Honeysuckle

**Pests:**

Scale (Diaspididae)

Thrips (Thripidae)

Bug (Pentatomidae)

***Nepenthes species*** (*Nepenthes ampullaria*, *Nepenthes coccinea*)

**Common Names:** Pitcher plant

**Fungi:**

Leaf spots (*Pestalotiopsis species*)

Stem necrosis (*Colletotrichum gloeosporioides*, *Cladosporium species*)

Leaf water-soaked mid-rib (*Fusarium oxysporum*, *Colletotrichum capsici*)

Wilt (*Fusarium solani*)

***Scindapsus species*** (*Scindapsus aureus*, *Scindapsus pictus* 'Argyraeus')

**Common Names:** Golden Pothos, Pothos

**Fungi:**

Leaf spots (*Macrophomaspecies*)

Water-soaked spots/patches (*Colletotrichum gloeosporioides*, *Glomirella species*, *Gloeosporium species*, *Colletotrichum species*, *Rhizopus species*, *Fusarium oxysporum*)

Stem rot (*Fusarium solani*, *Phytophthora species*)

Root rot (*Fusarium solani*, *Botryodiplodia species*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Reniform nematode (*Rotylenchulus reniformis*)

Stunt nematodes (*Tylenchorhynchus species*)



# The Diseases and Pests

## X. Orchids

**Common Names:** Common Spider Orchid

**Arachnis species** (cvs. Maggie Oei', 'Maggie Oei-Yellow', 'Maggie Oei-Yellow Ribbon', 'Maroon Maggie', 'Ishbel')

**Fungi:**

Leaf spots (*Curvularia lunata* , *Botryodiplodia species*)

**Pests:**

Caterpillar (*Adoxophyes fasciculana*, *Chliaria tora semanga*, *Dasychira inclusa*, *Dasychira species*)

Leaf beetle (*Lema pectoralis*)

Thrips (*Dichromothrips corbetti*, *Thrips palmi* )

Armyworm (*Spodoptera litura*)

Bagworm (*Pteroma plagiophleps*)

Scales (*Parlatoria proteus*, *Lepidosaphes species*)

Red mites (*Tenuipalpus pacificus*)

Fruitfly (*Bactrocera cucurbitae*)

Weevil (*Acythopeus aterrimus*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Aranda species** (*Aranda* cvs.'Ang Hee Seng', 'Cherry Maggie', 'Christine', 'Deborah', 'Hilda Galistan', 'Jane Storei', 'Kooi Choo', 'Lucy Laycock', 'Mary Maggie', 'Mandai Prince', 'Mandai Roy', 'Majulah Riman', 'Nancy', 'Noorah', 'Nora Alsolgolf', 'Norah Pink', 'Peter Eware', 'Tay Swee Eng', 'Yussoffara')

**Common Names:** Orchid

**Fungi:**

Floral spots (*Curvularia species*, *Pestalotia species*, *Fusarium roseum*, *Cladosporium species*)

Crown rot (*Phytophthora species*, *Fusarium species*)

Necrotic buds (*Fusarium species*, *Colletotrichum gloeosporioides*, *Fusarium verticillioides*)

Leaf spots (*Phyllostictina species*, *Macrophoma species*, *Curvularia species*, *Colletotrichum gloeosporioides*)

Basal Rot (*Sclerotium species*)

**Pests:**

Beetles (*Oiphila species*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Aranthera species** (*Aranthera* cv, 'Anne Black', 'LiLlibrooke')

**Common Names:** Orchid

**Fungi:**

Leaf spots (*Colletotrichum species*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Ascocenda species**

**Common Names:** Ascocenda Orchid

**Fungi:**

Pseudobulb & stem rot (*Phytophthora species*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Cattleya species** (*Cattleya* Hybrids)

**Common Names:** Cattleya Orchid

**Fungi:**

Leaf spots (*Colletotrichum species*, *Fusarium species*, *Macrophoma species*, *Colletotrichum gloeosporoides*, *Fusarium verticillioides*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*, *Cucumber mosaic Cucumovirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

**Dendrobium species** (*Dendrobium* cvs. Ah Meng, Alice Chong, Angel White, Anna, Ben (Thai), Blue Fairy, Blue Magic, Blue Pacific, Bom, Bon, Boon Choo, Blushing, Chanel, Dark Purple, Dynasty, Eukapol Red, Eukapol Star, Fairy White, Fatima, Flamingo, Formosum, Green, Greenish Purple Lip, Greenish Yellow, Hawaii, Hiang Beauty, J. Thomas, Kasem White, Ko Ko Green, Light Green, Light Pearl, Lucian Pink, Mary Trowse, Masakotaki, Mdm Chintana, MM, Nappom, New Pink, Ng Eng Chiow' Orange, Floret, Pacific Island, Pale Pink, Pink, Pompadour, Pink White, Pramote, Purple, Purple Lip, Red Bull, Round Pink, Round White, Sapphire, Shavin White, Shareen, Slisiam, Sonia; Tay Swee Keng, Toh Pink, Tokyo, Tong Pink, Toshiko, White, White Angel, Yellow; *Dendrobium carephora*; *Dendrobium crumenatum*; *Dendrobium kingianum* Lindl.; *Dendrobium koyuri*; *Dendrobium stratiotes* Rchb.f.; *Dendrobium sursanphen*)

**Common Names:** Pigeon Orchid, Stalwart Orchid, Stalwart Dendrobium

**Fungi:**

Leaf spots (*Cercospora species*, *Colletotrichum gloeosporoides*, *Fusarium oxysporum*, *Penicillium species*, *Macrophoma species*, *Pestalotiopsis species*, *Pseudocercospora dendrobii*, *Rhizopus species*, *Cladosporium herbarum*, *Corynespora species*, *Curvularia species*, *Glomerella species*, *Glomorella cingulata*, *Phoma species*, *Fusarium verticillioides*, *Alternaria species*, *Helminthosporium species*, *Nigrospora species*, *Tetraploa species*, *Choanephora species*, *Ascochyta species*)

Leaf blight (*Macrophoma species*, *Verticillium species*, *Phomopsis species*)  
 Leaf yellowing/necrosis (*Cercospora species*, *Colletotrichum gloeosporioides*, *Curvularia eragrostidis*, *Fusarium verticillioides*, *Fusarium oxysporum*, *Macrophoma species*, *Pythium species*, *Tricoderma species*)

Leaf Freckle (*Guignardia species*)

Leaf patches/blotches (*Cladosporium species*, *Colletotrichum gloeosporoides*, *Rhizoctonia solani*,)

Black streak (*Macrophoma species*)

Bud drop (*Curvularia species*, *Fusarium moniliforme*, *Fusarium solani*, *Penicillium species*)

Floral spots/necrosis (*Curvularia geniculata*, *Fusarium moniliforme*, *Fusarium solani*, *Penicillium species*, *Verticillium species*, *Colletotrichum species*, )

Crown & Stem rot (*Fusarium moniliforme*, *Phytophthora species*)

Pseudobulb rot (*Fusarium species*, *Phytophthora species*, *Phytophthora palmivora*, *Colletotrichum species*, *Marasmiellus species*)

Concentric ring spots (*Colletotrichum gloeosporioides*)

Root rot (*Fusarium species*, *Verticillium species*, *Trichoderma species*, *Sclerotium species*, *Phytophthora species*)

Sooty mould (*Meliola species*, *Torula species*,)

#### Pests:

Giant snails (*Achatina fulica*)

Caterpillar (*Adoxophyes fasciculana*, *Chilariator semanga*, *Diacrisia species*)

Beetles (*Anomala pallida*, *Apogonia cribicollis*, *Lema pectoralis*, *Oulema pectoralis*, *Saissetia coffeae*, *Gonophora species*, Anthribidae, Nituidae)

Spider mites (*Brevipalpus pacificus*, *Tenuipalpus species*, *Tenuipalpus ochidarum*, *Tenuipalpus pacificus*, Tetranychidae, Tenuipalpidae)

Scales (*Ceroplastes species*, *Parlatoria proteus*, Diaspididae)

Thrips (*Dichromothrips corbetti*, *Thrips palmi*, *Thrips hawaiiensis*)

Short-horned grasshopper (*Valanga nigricornis*, *Xenocatantops humilia*)

Plant weevil (*Cholus cattleya*, *Orchiodophilus aterrimus*, Curculionidae, Chironomidae)

Cutworm (*Spodoptera litura*)

Wasp (Cecidomyiidae)

Leaf roller (*Archips micaceana*)

Tussock moth (*Euproctis species*)

#### Algae:

*Cephaleuros species*

#### Bacteria:

*Erwinia carotovora*, *Burkholdia gladioli*

#### Nematodes:

Spiral nematodes (*Helicotylenchus species*)

Lance nematode (*Hoplolaimus species*)

#### Virus:

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Leaf Speckles (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

### ***Grammatophyllum speciosum***

#### Fungi:

Leaf spots/blotches (*Colletotrichum gloeosporoides*, *Curvularia species*, *Fusarium species*, *Macrophoma species*, *Pseudocercospora species*, *Phoma species*)

#### Common Names: Tiger Orchid

#### Virus:

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Mokara species** (cvs. 'Bangkok Gold', Bibi, Blue, Chark Kuan, Rose, Dark Purple, Golden, Green, Jiti Gold, Mokara Hybrid, Khaw, Leunberger Good, Mak Chin On, Mini Red & White, Orange, Red, Purple, Rose, Taka, Walter Oumae, Yellow)

**Common Names:** Mokara Orchid

**Fungi:**

Leaf spots/blotches (*Colletotrichum gleosporoides*, *Cladosporium species*, *Fusarium species*, *Fusarium verticillioides*, *Fusarium solani*, *Fusarium oxysporum*, *Macrophoma species*, *Cercospora species*, *Corynespora species*, *Phomopsis species*, *Botryodiplodia species*, *Leptotryrium species*, )

Necrotic tip (*Fusarium verticillioides*, *Fusarium species*, *Corynespora species*, *Curvularia species*, *Mycoleptodiscus species*)

Black patches/streak (*Cercospora species*, *Botryodiplodia species*, *Macrophoma species*, *Pantoea dispersa*)

Papery white leaf (*Colletotrichum gleosporoides*, *Glomerella species*)

Stem lesion/rot (*Fusarium solani*, *Geotrichum species*, *Pestalotiopsis species*, *Phytophthora palmivora*, *Cladosporium species*)

Floral spots (*Fusarium moniliforme*)

Bud/root rot (*Sclerotium rolfsii*)

Crown rot (*Fusarium species*, *Trichoderma species*, *Phytophthora species*)

Sooty mould (*Meliola species*)

**Bacteria:**

*Pseudomonas fluorescens*, *Erwinia herbicola*, *Pantoea dispersa*, *Pantoea agglomerans*

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*, *Tobacco mosaic Tobamovirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Odontoglossum species** (Hybrid)

**Common Names:** Orchid

**Fungi:**

Leaf spots (*Colletotrichum gleosporoides*, *Cladosporium species*, *Colletotrichum species*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Oncidium species** (cvs. Golden Wish, Golden, Shower, Goldiana, Gower Ramsey, Taka)

**Common Names:** Oncidium Orchid

**Fungi:**

Leaf spots/blotches (*Colletotrichum gleosporoides*, *Fusarium species*, *Phoma species*, *Cladosporium species*, *Macrophoma species*, *Cercospora species*, *Corynespora species*, *Phomopsis species*, *Colletotrichum species*)

Necrotic/leaf tip burn (*Marasmius inoderma*, *Fusarium solani*, *Gloeosporium species*, *Macrophoma species*, *Rhizopus species*, *Glomerella species*, *Curvularia species*)

Pseudobulb/shoot/root rot (*Marasmiellus inoderma*, *Sclerotium rolfsii*, *Phytophthora species*, *Fusarium moniliforme*, *Fusarium species*, *Botryodiplodia species*, *Macrophoma species*, )

Wilt (*Colletotrichum gleosporoides*, *Phytophthora species*)

**Virus:**

Leaf Mosaic, Whip leaves, Flower malformation (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)



**Pests:**

Caterpillar (*Dasychira species*)

Thrips (*Thrips palmi*)

Scales (*Vinsonia stellifera*)

***Phalaenopsis species*** (*Phalaenopsis chamomix*, *Phalaenopsis cornucervi*,  
*Phalaenopsis Hybrid*)

**Fungi:**

Leaf spots/blotches (*Alternaria species*, *Aspergillus species*, *Colletotrichum gleosporoides*, *Colletotrichus species*, *Acidovorax avenae*, *Fusarium verticillioides*, *Cladosporium species*, *Penicillium species*)

Leaf soft rot (*Fusarium species*, *Phytophthora species*)

Floral spots (*Curvularia species*)

Sooty mould (*Meliola species*)

Root thinning (*Fusarium moniliforme*, *Fusarium solani*, *Trichoderma species*)

**Common Names:** Orchid

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)

**Nematodes:**

Spiral nematodes (*Helicotylenchus species*)

Stunt nematodes (*Tylenchoryhnchus species*)

Lance nematodes (*Hoplolaimus species*)

Dagger nematodes (*Xiphinema nematodes*)

***Spathoglottis plicata*** (*Spathoglottis Hybrid*)

**Fungi:**

Leaf spots/blotches (*Colletotrichum gleosporoides*, *Cladosporium species*, *Fusarium species*, *Phomopsis species*, *Curvularia maculans*, *Penicillium species*, *Phoma species*, *Mycoleptodiscus species*, *Colletotrichum species*)

Necrotic tip (*Colletotrichum gleosporoides*, *Cercospora species*, *Curvularia species*, *Botryodiplodia species*)

Leaf streak (*Gloeosporium species*, *Helminthosporium species*)

Tip Die-back (*Fusarium oxysporum*)

Sooty mould (*Meliola species*)

**Pest:**

Whitefly (*Aeurodicus species*)

**Common Names:** Spathoglottis Orchid

**Virus:**

Mosaic (*Cymbidium mosaic Potexvirus*)

**Vanda species** (*Vanda* cvs.'Amy, Arachis', Green, Colorful, Hybrid, Judy Miyamoto, Mandai, Marlie Dolera', Miss Joaquim', Nibert Alphonso, Pakara, Prolific, Purple, Ruby Prince, Tan Chay Yan')

**Common Names:** Vanda, Orchid

**Fungi:**

Leaf spots/necrosis (*Colletotrichum gleosporoides*, *Fusarium species*, *Phomopsis species*, *Curvularia species*, *Phyllosticta species*, *Pythium species*, *Nigrospora species*, *Pestalotiopsis species*, *Macrophoma species*, *Rhizoctonia species*, *Cladosporium species*, *Corynespora species*)

Floral spots/blight (*Curvularia species*, *Nigrospora species*, *Pestalotiopsis species*, *Phomopsis species*, *Nigrospora species*, *Gloeosporium species*, *Guignardia species*)

Root spots/necrotic (*Macrophoma species*, *Colletotrichum species*, *Curvularia species*, *Phomopsis species*)

**Pests:**

Beetle (*Lema pectoralis*, *Lepadoretus compressus*)

Thrips (*Dichromothrips corbetti*, *Thrips palmi*)

Mealybugs (*Pseudococcus species*)

Red mite (*Tenuipalpus pacificus*)

Scales (*Lepidosaphes species*, *Parlatoria proteus*)

Caterpillar (*Adoxophylla fasciculana*)

Giant snail (*Achatina fulica*)

**Virus:**

Leaf Mosaic (*Cymbidium mosaic Potexvirus*)

Ringspots (*Odontoglossum ringspot Tobamovirus*)